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See Page 4

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The Mac Product Experts

SNEAK PEEK

OS X LEOPARD

WHAT'S NEW?

Time Machine
and Spaces

**WHAT'S
IMPROVED?**

iCal, Mail, and
Spotlight

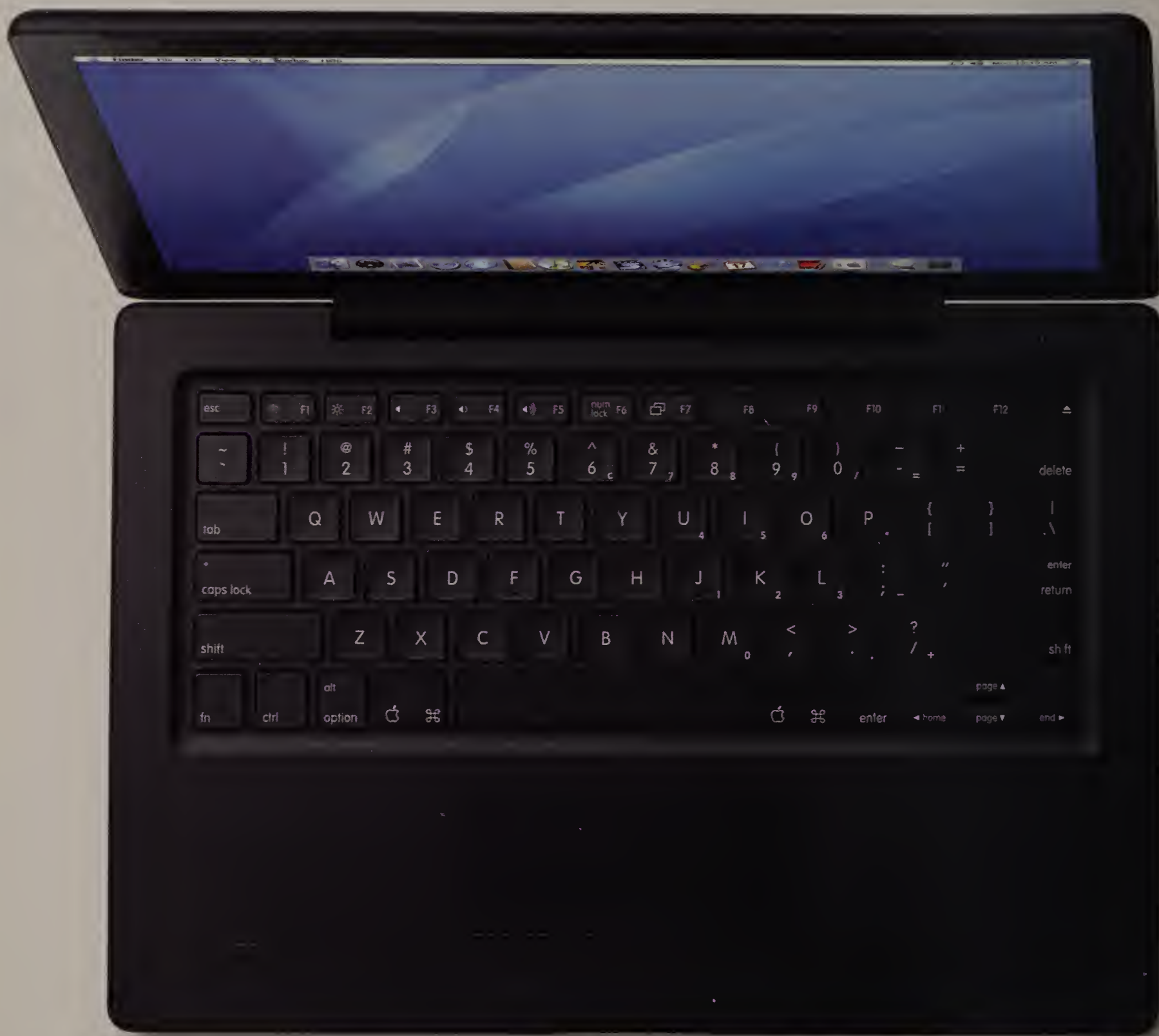
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Mac Pro

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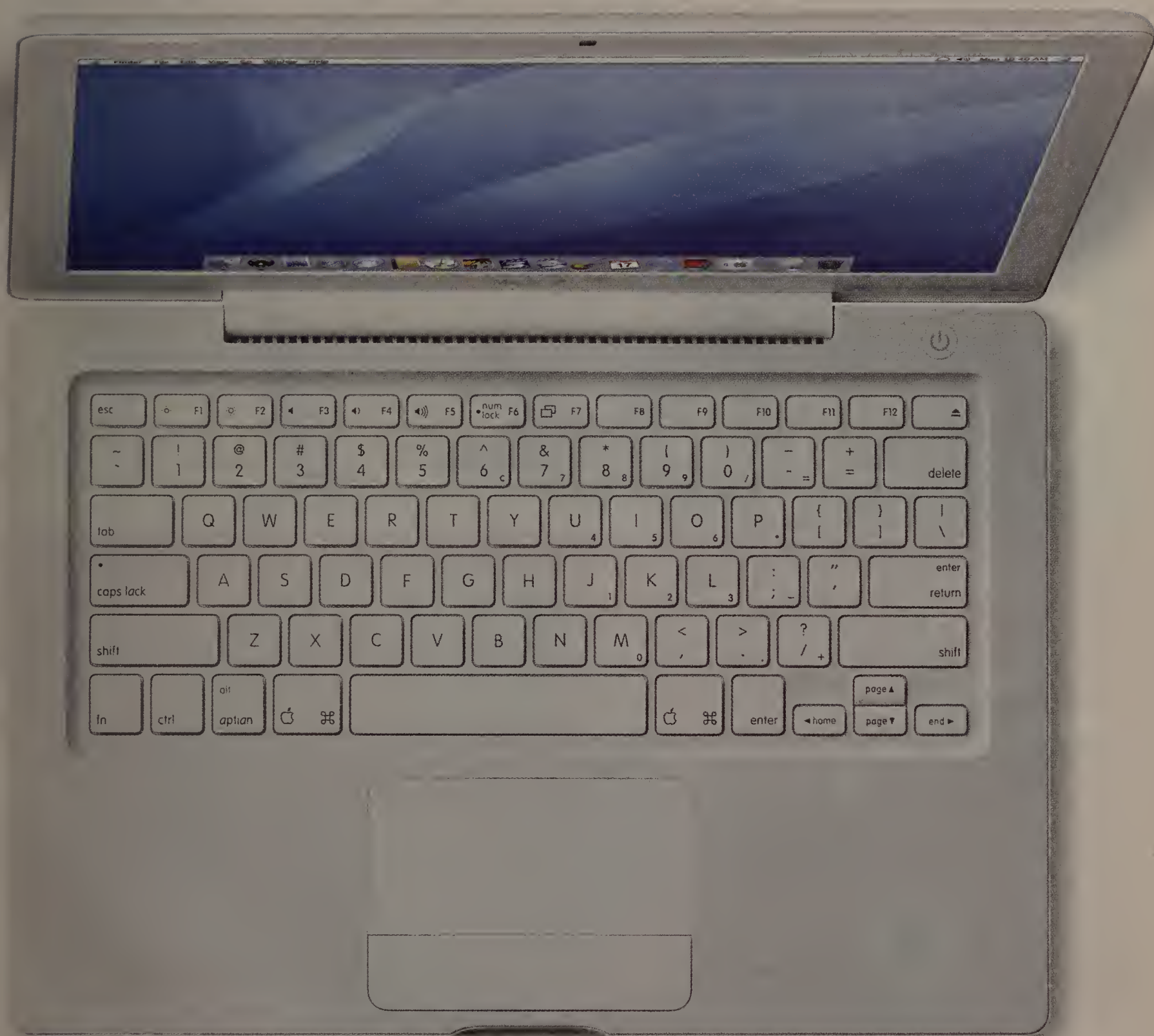




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COVER STORY

- 56 10 Things You Need to Know about Leopard**
Apple won't release the next version of OS X 10.5 (code-named Leopard) until next spring. But here's a sneak peek at ten of its coolest features.

FEATURES

- 47 Get Smart**
Got teens? Here are our recommendations for great back-to-school Mac gear, including the best family Macs, multifunction printers that everyone can share, and games that won't completely rot the kids' brains.
- 64 Your Mac's Secrets Revealed!**
We expose 59 of the most overlooked ways to use your applications better, smarter, and faster. Peer inside for hidden surfing, Microsoft Office, Apple iLife, and e-mail tricks.

56 LEOPARD PREVIEW



64 MAC SECRETS REVEALED



On the Cover
Photograph by Peter Belanger

OPINION

- 7 From the Editor's Desk**
JASON SNELL
At Apple's WWDC, Steve Jobs told us what's new and what's to come. Here's what I think.

- 12 Feedback**
Readers respond.

REVIEW



- 32 Apple desktop**
★★★★ Education iMac
- 33 Productivity tools**
★★★★ DayChaser 2.0
★★★★ Daylite 3.1.1
★★★★ FastTrack Schedule 9.0.1
★★★★ Merlin 1.3.11
★★★★½ Process 2.0.2
★★★★ SOHO Organizer 5.5.2

- 38 More Reviews**

- 40 Mac Gems**
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- 44 Top Products**



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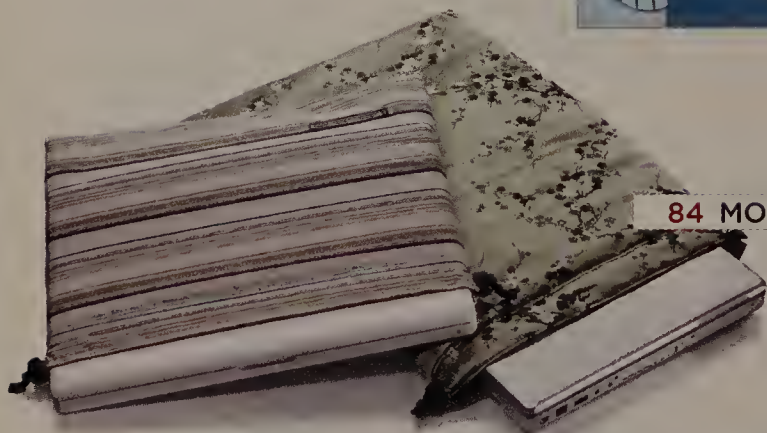
- 18** Mac Pro FAQs, Andy Ihnatko's thoughts on Leopard, new Xserve, Aspyr's Gamerhood game-download service, the wireless Mighty Mouse, and more.



18 THE MAC PRO



76 PLAYLIST



84 MOBILE MAC

SECRETS

- 74** **WORKING MAC**
Save Time with Word's Styles
KIRK McELHEARN
You could set fonts, margins, spacing, and more by hand in your Microsoft Word documents. But there's a faster, better way: apply a style.
- 76** **PLAYLIST**
iTunes' Sharing Skills
KIRK McELHEARN
iTunes supports sharing music and video on a local network. We show you how to access others' files, as well as make sure others can (or can't) access yours, around the home or office.
- 78** **DIGITAL PHOTO**
Take Command of Keywords
DAVID POGUE AND DERRICK STORY
When put to good use, iPhoto 6's keywords feature makes complex searches easy. Learn how to apply keywords to your photos in the most efficient way.
- 82** **CREATE**
Custom Templates in Pages
JEFFERY BATTERSBY
Using a template in Apple's Pages can save you time, but if the program doesn't offer a template that fits your project, you can make one yourself.
- 84** **MOBILE MAC**
Remotely Access Your Mac
DAN MOREN
Need to get some files off your home Mac when you're on the road? Dynamic DNS could be the answer. Get the skinny on setting it up and using it.
- 86** **GEEK FACTOR**
Firefox Extensions for Geeks
JOE KISSELL
Check out our favorite Firefox extensions for customizing Web pages, becoming more productive, or just plain geeking out with your favorite browser.
- 88** **HELP DESK**
Mac OS X Hints
ROB GRIFFITHS
Learn two ways to close all but the current Finder window, slim down your Camino Bookmark bar by using icons only, and more.
- 92** **Mac 911**
CHRISTOPHER BREEN
Play audio tracks from your videos on the iPod nano, record TV off a Dish receiver, and more.

BACK PAGE

- 112** **Hot Stuff**
Check out our favorite new stuff.

ONLINE EXCLUSIVES

- > We take you Inside Apple's Worldwide Developers Conference to bring you footage from Steve Jobs's keynote address.
- > Senior Editor Christopher Breen shows you how to use iLife with your vacation movies and photos.
- > We're giving away a free copy of the multiple clipboard and scrapbook application, iClip.
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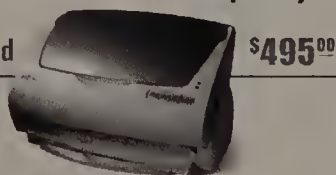
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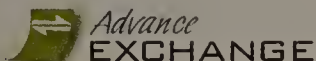
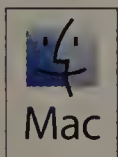
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A Taste of the Future

Another year, another of Apple's Worldwide Developers Conferences and another Steve Jobs keynote full of product announcements. This issue of *Macworld* is packed with everything we could glean about those announcements: the new Mac Pro (page 18), the Xserve update (page 24), and the next version of Mac OS X (page 56).

At WWDC, Apple's high-profile CEO isn't the entire circus, he's just a ringmaster—and that's just fine. His presentation was, as always, followed by a week of technical sessions with developers who are busy creating the next generation of incredible Mac products, both hardware and software. Many of the products you'll see in 2007 will spring out of this conference.

Meet the Mac Pro

When the Power Mac G5 made its debut in July of 2003, Apple was coming off of a debacle. The mirrored-drive door Power Mac G4 had been dubbed the "wind tunnel" by the clever classes, thanks to its ridiculously loud fans. The Power Mac G5 was engineered by Apple to address that problem: the company created a desktop enclosure with four separate thermal zones and nine fans to keep the G5 cool, yet quiet.

Flash-forward to today: the change underneath that silvery case is staggering. Two dual-core Xeon processors live in a compartment that's less than half the size of the enclosure that the G5's dual processors used. And the remaining space is no longer left empty for the sake of airflow: it's packed with additional features and has room for all kinds of expansion options. You want space for two optical drives and four hard drives? You got it.

The Mac Pro has more room, more processor cores, and more ports—five glorious USB ports, four FireWire ports, and two Ethernet ports—all at a remarkably aggressive price. Every time Apple comes out with a new pro desktop computer, it's always the "fastest Mac ever." The Mac Pro may not only be the fastest, but also have the best price:performance ratio in the platform's history.

Leopard's Debut

You know the showbiz axiom about how you should always leave 'em wanting more? That's how I felt about Jobs's Leopard announcement. He teasingly mentioned several superdouble-secret Leopard features that Apple wasn't ready to announce yet. As a strategy, it seems reasonable. Holding back on announcing new features now means that Apple will have something left to make a big splash with when Leopard gets closer to reality—either at Macworld Expo or when it ships. Yet

as a Mac user, I want to know more *now*—all of this holding back drives me batty.

The new Time Machine backup software looks brilliant in concept, though the proof will, of course, rest in how well it actually works. But still, how typical is it of Apple to create an easy-to-use interface that changes the behavior of millions of computer users?

It was great to see the announcement of Spaces—as someone who put this on my Leopard wish list (macworld.com/1662), I'm excited to see Apple support multiple workspaces with an interface that will take it beyond the province of the geeks and into the world of everyday users.

One announcement that hasn't gotten enough play is that Leopard will come with Front Row built in. So even if you *don't* have a system that supports the Apple Remote, you'll be able to buy some sort of separate remote control to gain control of Front Row.

And I want to applaud a feature that didn't even make it into Steve Jobs's very own top-ten list: an upgrade to iCal. I've been using iCal for about a year now, and my biggest frustration is that it's a one-way street. I can show other people my calendars, and they can show me theirs, but there's no way for several people to control one calendar. With the Leopard version of iCal, which supports the CalDAV standard for calendar sharing, iCal's Achilles' heel seems to have disappeared. Huzzah!

Wrapping Up

These flurries of announcements often contain far too much information to process in one sitting. That's why our staff has spent a lot of time poring over Apple's announcements and volleying numerous questions to Cupertino. We've dug through the details and have managed to put together a clear view of what's new. You'll find a lot of that information in this very issue. And there's a lot more to come. Stay tuned for even more about the Mac Pro in future issues. And of course, when Leopard arrives next spring, we'll pounce on it, just like a—well, you know where I'm headed with that one. □

Will you buy a Mac Pro? What do you want to see in Leopard? Visit our online forums at macworld.com/forums and let us know what you think.

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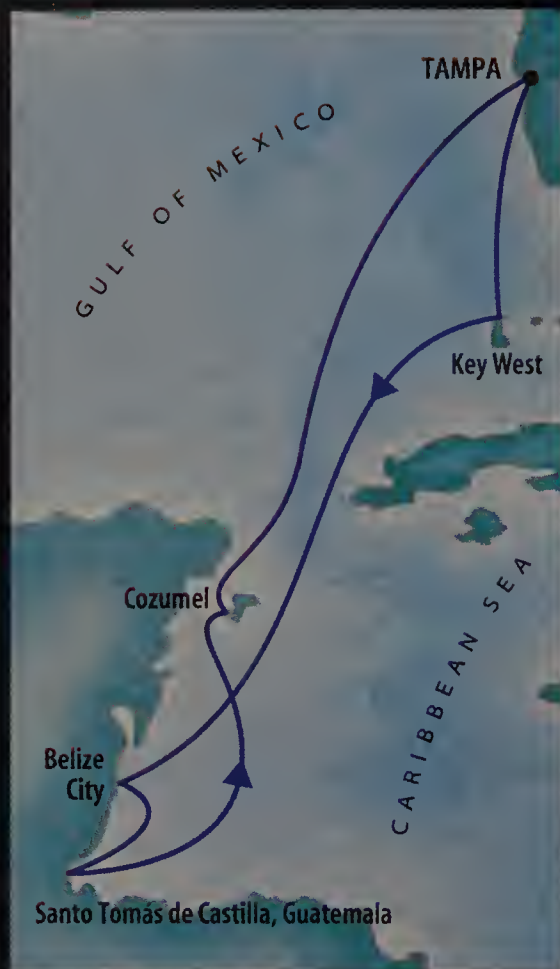
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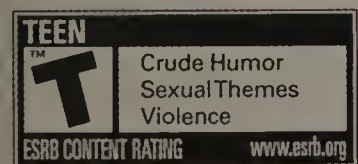
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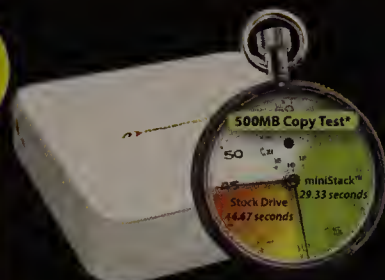
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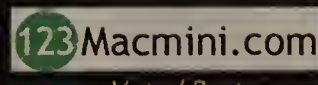
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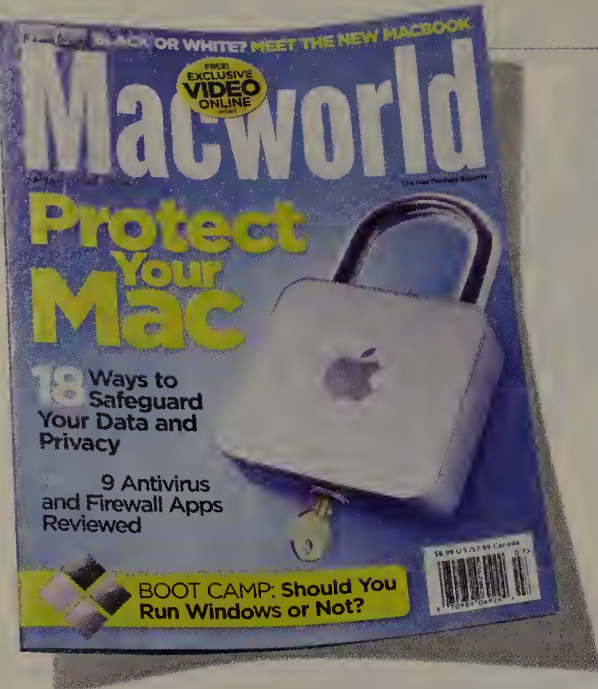
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FEEDBACK

Eternal Vigilance

Our readers love it when we write about Mac security. But the response to July's "Protect Your Mac" feature was unusually strong. Maybe because now that you can run Windows on a Mac, you can get Windows viruses, Trojan horses, and so on. But OS X itself isn't invulnerable just because of its Unix-based architecture, its security tools, the Mac's relatively small market share, and—last but not least—the collective computer savvy of Mac users. Should the Mac's market share ever grow, will all that be enough? Turn on that firewall and antivirus app just in case. □

Is It Safe?

MICHAEL TENNES

In "Protect Your Mac" (July 2006), I was surprised that you overlooked one of the most important security measures to protect your data and your privacy: setting an Open Firmware password. If someone boots your Mac from an OS X installation disc, that person can set or reset the system password and have full administrator access to your entire system. Setting a firmware password with Apple's Open Firmware Password utility (macworld.com/1531) can make that much harder.

Good point. But even an Open Firmware password isn't 100 percent secure. For example, anyone who can physically open your Mac can reset it.—Dan Miller

PAM BISHOP

Why would you recommend paying \$30 for Allume's Internet Cleanup program when the Reset Safari command in the Safari menu does the same thing—trashing caches, cookies, and so on?

No, it's not at all difficult to clean up after Safari manually. But we like to explain all the options. As our review of Internet Cleanup (macworld.com/0769) noted, it can still do more than Safari alone.—Scholle Sawyer McFarland

GEOFF HART

You made one crucial omission in your advice about security measures for Macs running Windows: spyware. Last time I updated the software on my PC, something like 40,000 spyware programs were out there "in the wild," and no one piece of software can protect against all of them. Some spyware infections are every bit as

bad, and as hard to remove, as viruses and Trojans. If you use Windows, antispyware software is no longer optional. If you're running Windows on a Mac, two popular (and free) programs can do the job: SpyBot Search and Destroy (www.safer-networking.org) and Ad-Aware Personal (www.lavasoft.de). But if you plan to use Windows extensively, you'll need something stronger. See windowssecrets.com for recommendations.

Getting the Boot

MICHAEL SPARKS

I have my reservations about the arrival of Boot Camp ("Boot Camp FAQs," July 2006). So what if I can run Microsoft Office in Windows XP on a Mac? It's still running on an old and unstable operating system. Why would I want to dumb down my Mac so it can be exposed to thousands of viruses, or even get the Blue Screen of Death? Also, if enough Mac users stop buying Mac software and start buying more Windows-based software to run on their Macs, we will lose our programming edge.

For people who can leave Windows behind, great—they've got a Mac. For those who must run Windows software (in many industries, there are simply no Mac versions of required software), they can now buy a Mac that runs both. That said, the best solution for Mac users who need to run Windows software is Parallels Desktop. You should turn to Boot Camp only when your peripherals won't work in Parallels or you need fast graphics for games and such.—Rob Griffiths

SCOTT BENTON

Your coverage of the new Rosetta emulation technology for Intel Macs (which lets those systems run software written for PowerPC chips) has been far too

kind. My partners and I run a small design and production studio. We recently bought two Intel-based iMacs, loaded with 1GB of RAM and plenty of hard-drive space. But we've been completely unable to run the current versions of Adobe InDesign CS2, Illustrator CS2, and Photoshop CS2 on them. Rosetta failed miserably with even a small amount of multitasking, and died an even speedier death when we tried to work over our network. Our G5s and even some older G4s significantly outpaced the Intel iMacs. We've subsequently traded in those two iMacs for one G5 tower, and we've been much more productive since.

Voice of Caution

FRANCOIS BACAVE

Your article on VoIP and Internet telephony was very useful (*Reviews*, July 2006). But it failed to mention one important thing about VoIP service: because it relies on a computer that

continues

CORRECTIONS

In "Disk Utility's Hidden Talents" (*Working Mac*, July 2006), we incorrectly stated that you could use Disk Utility to create a multi-session disc with a DVD. You can only do this with a CD. Also, you cannot use Disk Utility to create a bootable copy of your Mac OS X Install DVD if the DVD is a dual-layer disc and your DVD drive can only record to single-layer DVDs.

In *Top Products* (July 2006 and August 2006), we mistakenly reported that the Canon EOS Digital Rebel XT is a 6-megapixel digital SLR. It's actually an 8-megapixel camera.

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needs electrical current, it won't work if your power goes out. At home, a traditional phone is still a necessity unless you keep your cell phone charged at all times.

Surfing Safari

BOB GULIAN

Reading *Macworld*, one might think that Safari is the only browser available for OS X. But it's not. Camino is an OS X rewrite of Mozilla's Firefox. It fully supports industry standards such as ECMAScript (macworld.com/1530) and the W3C Document Object Model (DOM) specification (www.w3.org/DOM/); Safari falls short in its support of both. Camino starts up and loads Web pages faster than Safari. In short, Mac users have a world-class, free alternative to Safari. You might want to mention that to your readers more often.

We focus on Safari because that's what the overwhelming majority of our readers use. But we do cover other browsers—see our review of Camino (★★★★; macworld.com/1506)—and we will continue to do so.—Dan Miller

iPod Ideas

ANDRE KEMP

Looking at your reviews of the latest iPods, which now have radio transmitters, video connectors for your TV, and voice recorders, makes me wonder: when do we get the iPod camcorder? Somebody must be able to figure out how to connect an iSight or a Web camera to an iPod and—bingo!—create a 60GB camcorder.

JESUS GARCIA

In your July 2006 issue, you mentioned the Risse Racing Mork Mount (*iPod Gear*). I feel compelled to point out that listening to music while cycling outdoors is not a good idea. When you are on a bike, you need to be aware of what's going on around you (people walking and running, other bikers, and, most importantly, cars). Listening to an iPod while you ride can make that harder.

I agree. As I noted in the full review, "we don't recommend listening to an iPod when sharing the road with cars and pedestrians; but for dedicated bike paths and roads, music

can be a great riding companion" (★★★★; macworld.com/1274). Warnings or not, people are going to listen to iPods while riding; at least with the Mork Mount they can keep their eyes on the road.—Dan Frakes

We Blush

RICHARD F. THOMPKINS

Your piece on Disk Utility ("Disk Utility's Hidden Talents," *Working Mac*, July 2006) was just magnificent. I'm showing it to some old Mac hands who never knew what that program could do. Thank you so much.

Post comments on our forums (www.macworld.com); send them by mail to Letters, *Macworld*, 501 Second Street, 5th Floor, San Francisco, CA 94107; or send them by e-mail to letters@macworld.com. Include a return address and daytime phone number. Due to the high volume of mail we receive, we can't respond personally to each letter. We reserve the right to edit all letters and posts. All published letters and forum comments become the property of *Macworld*.

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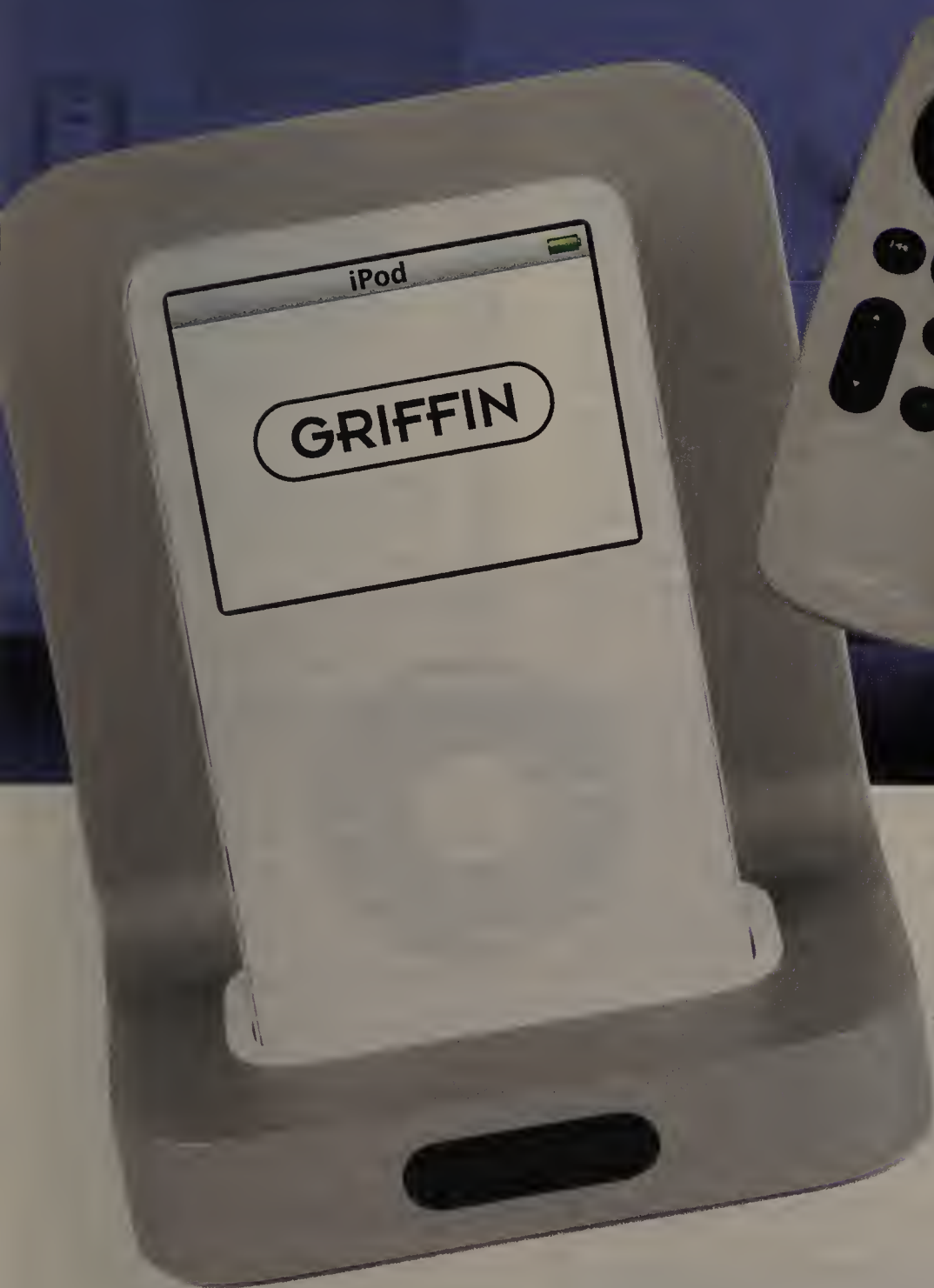


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FileMaker Pro to the Rescue

How one small business stopped drowning in data and started delighting its customers, thanks to easy-to-build database solutions

Is your business,

like so many today, drowning in data? Swamped by inventory, customer, market, and competitive data? This is the story of how one small business used database software to turn a sea of data into customer knowledge worth its weight in gold.

When Andy Frazier arrived at Baron's Major Brands a year ago, he found a fast-growing appliance retailer that prided itself on providing a positive customer experience in a fiercely competitive market. That meant responding as proactively as possible to customer information, be that praise, complaints, or advice.

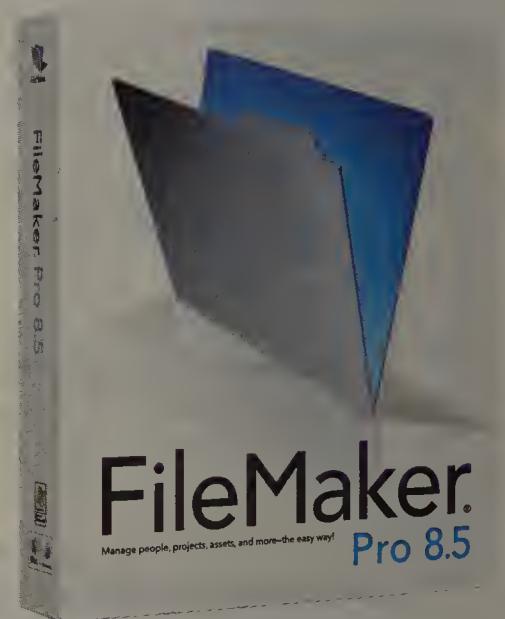
Buyers at any of Baron's five stores in New Hampshire were asked to fill out a postcard describing their overall sales experience. But with hundreds of sales monthly, the results of this effort were stacks and stacks of cards and a few weak attempts to produce pie charts for which managers found little use.

"We needed technology to help us turn all this data into real information so our managers could act quickly and decisively," recalls Frazier, IT manager at Baron's. "We needed the magic of FileMaker."

Having used FileMaker solutions in previous jobs going back several years, Frazier was able to quickly build a front end to receive the data. As quickly and easily, he built a back end capable of producing a variety of custom reports at the store managers' discretion, and with nothing more than a few mouse clicks.

Instant information

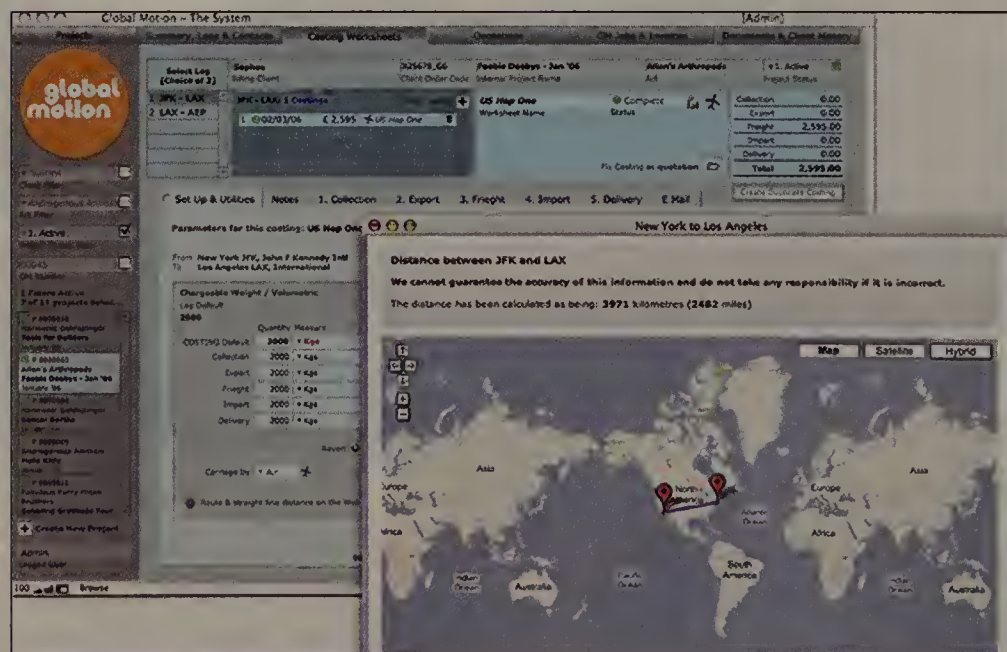
"It was an amazing revelation," Frazier says of the managers' new experience with FileMaker data. "They now get instant alerts that tell them to call a customer or respond to new ideas or thank a customer personally for a big order. We built in an audit trail to make sure we follow up on all customer issues.



This has been huge for Baron's in fulfilling its mission of keeping the customer experience positive."

Baron's has joined thousands of other businesses worldwide that have harnessed and exploited the tremendous potential of FileMaker Pro to develop solutions that delight the customer, drive loyalty, and boost the bottom line with repeat business. And now FileMaker Pro 8.5, which Frazier is beginning to integrate into Baron's, offers unprecedented power and ease of use in uniting the wide world of Web information with the world's foremost database solutions.

The star new feature in FileMaker Pro 8.5 is the highly acclaimed Web Viewer. This new feature combines FileMaker database functionality with live Web data to deliver Web data on



New FileMaker Pro 8.5's Web Viewer feature displays live Web data within a database, such as this innovative Global Routing solution.

demand. Web Viewer obviates the need for users to store what is usually instantly obsolete information in their databases because with Web Viewer, users get the very latest Web data within their solutions. (See sidebar, "The Web Viewer in the Real World.")

At Baron's, for example, store managers often have to look up various features and specifications on a very wide variety of appliances, and this data frequently changes. Because much of this data resides on the Web, often in PDF format, the Baron's users have to click to individual Web sites, search for the information they want, copy it, and then paste it into their spreadsheets or other sales tools.

Big plans for FileMaker Pro 8.5

As Frazier deploys FileMaker Pro 8.5 and the new Web Viewer, things could change dramatically. For starters, Frazier is building a unified FileMaker database as a one-stop shop for managers to see the information they want in one place. He (and eventually the managers themselves) will then build links to the Web-based data they want to access. With Web Viewer, building these links is no more

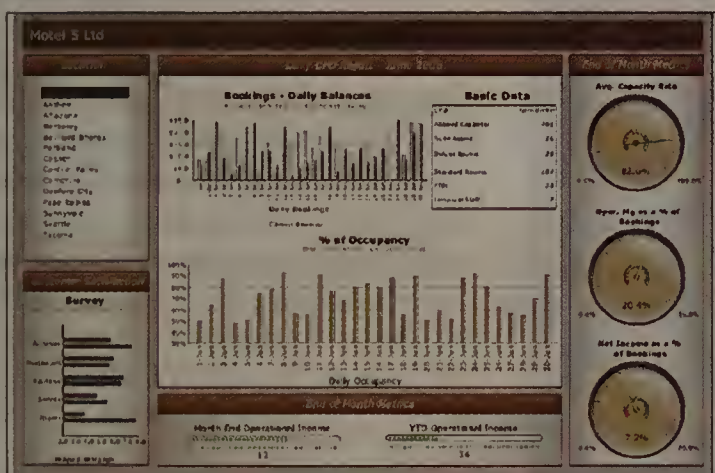
complicated than typing a URL into a dialog box. When a user clicks the link in the future, the most up-to-date information from that link, such as a current set of washing machine specifications, pops up instantly.

Frazier's plans for FileMaker Pro 8.5 at Baron's are almost as limitless as the solution itself. "That's the amazing thing about FileMaker," Frazier says. "It is so easy to use that managers with a mini-

deeper and deeper and still not hit bottom. It is almost limitless."

Looking ahead, Frazier has begun

To view a video demonstration of FileMaker Web Viewer and see the Web Viewer Gallery of real-world solutions, visit www.filemakertrial.com/macworld.



mum of computer experience can do incredible things on their own with so little training. With a solution like that, you might think you would hit the bottom of its capabilities pretty quickly. But the truth is, that as you gain more experience with it, you can dig

Live Web data on demand enables many breakthrough FileMaker Pro solutions: CFO Dashboard (top) shows up-to-date key metrics. Package Tracker (bottom) grabs tracking info from your preferred shipping sites.

The Web Viewer in the Real World

Like spring rain, the breakthrough FileMaker Web Viewer in FileMaker Pro 8.5 has already spawned a bumper crop of imaginative solutions from users and developers alike. Here are a few of them, with more available at www.filemakertrial.com/macworld.

The Remodel Database, for contractors, architects, or do-it-yourselfers, tracks products and projects directly within FileMaker Pro 8.5 using the FileMaker Web Viewer to link to manufacturers' Web pages, product documentation and specs, search engine price comparisons, shipment tracking, product images, order invoices, and more.

The Stock Dashboard shows a dashboard of current stock price charts side-by-side on the same FileMaker Pro 8.5 layout.

Package Tracker lets users get package tracking details from their preferred shipping Web sites using the FileMaker Web Viewer, with shipping details automatically displayed based on tracking numbers stored in the users' databases.

Global Routing displays routing and distance information using airport codes stored in a user's database linked to a Web site that displays distances between airports as well as other useful airport data.

See a demo of the FileMaker Web Viewer at www.filemakertrial.com/macworld.

work with the service organization at Baron's to build a FileMaker Pro database to house service-related information from which managers can extract specialized reports. This project could become the seedbed from which will spring a companywide accounting system based on FileMaker, replacing an aging proprietary system that he says is highly inflexible.

In addition, Frazier is deploying FileMaker Pro to build an intranet containing the company's HR information, ultimately providing employee self-service for monitoring vacation time, reviewing benefits, and so on.

Has he considered solutions other than FileMaker for meeting Baron's information needs? "I had a lot of experience with other solutions and have tried other things," he concludes. "Getting information in and out of them was like pulling teeth. With FileMaker, it couldn't be easier." ■

Mac Pro FAQs

What You Need to Know about Apple's New Pro Desktop



At its Worldwide Developers Conference in August, Apple completed its transition to Intel-based Macs with a bang, replacing its Power Mac G5 desktops with the Mac Pro (🔗; macworld.com/1646). This high-end desktop runs on two dual-core Xeon chips at speeds ranging from 2GHz to 3GHz; more importantly, the chip's ability to deliver more performance per watt means that Apple can reclaim much of the space previously dedicated to the cooling systems of the Power Mac. But what does that really mean for Mac users? We're here to answer your pressing questions (for a longer version of this article, with more questions and answers, see macworld.com/1643).

BY JONATHAN SEFF AND
JASON SNELL

The case looks pretty similar to the Power Mac G5—what are the differences?

Indeed, the dimensions of the Mac Pro case are exactly the same as those of the Power Mac G5. But there are a few external differences worth noting. On the front of the Mac Pro's case, you'll notice that there are now two optical drive bays. Lower down, Apple has added two ports on the front panel: a second USB 2.0 port and a second FireWire port (this one is the FireWire 800 variety). On the back of the case, Apple moved the power supply to the top, replaced the two airflow vents with a single vent, and reorganized the rear ports into a smaller area next to the vent.

OK, so it's not very different on the outside—how about on the inside?

Inside, the Mac Pro is significantly different from the Power Mac G5. First, the Mac Pro uses the Xeon 5100, the newest processor in Intel's server-level arsenal (code-named "Woodcrest"). Just as the most recent Power Macs and every Intel Mac (except the Core Solo Mac mini), have dual-core chips, so does the Mac Pro: the new Xeon is a dual-core processor, with two brains on the same piece of silicon. Unlike the Core Duo line of processors, which can only work alone, the Xeon processor is made to work in groups—making it the only choice for these new quad-core systems. Although the high-end configuration of the final Power Mac G5 line did come in a quad-core version, the rest of that line was powered by a single dual-core G5 chip. In contrast, the Mac Pro configuration has two dual-core processors.

Did you say "the" configuration?

Yes. Unlike in the past, Apple isn't offering three models with different specs and

prices, nor is it limiting certain features of the Mac Pro to higher-paying customers, as it did with portions of the Power Mac line. Instead, Apple offers one “suggested configuration” of the Mac Pro that sells for \$2,499, which includes two 2.66GHz dual-core Xeon processors, 1GB of RAM, an Nvidia GeForce 7300 GT graphics card with 256MB of GDDR2 SDRAM, a 250GB hard drive, and a 16× SuperDrive. (By comparison, the quad-core Power Mac—the 2.5GHz Power Mac G5 Quad—cost \$3,299.)

Although there’s one suggested configuration, the reality is that just about every aspect of the Mac Pro can be configured when you order it from Apple’s online store. Not only can you customize the Mac Pro’s processors—downgrading to dual-2GHz chips for \$300 less or upgrading to the dual-3GHz Xeons for \$800 more—but you can also choose your hard drives, RAM, wireless options, and more.

Why didn’t Apple offer several different configurations, as it has done in the past?

Pro customers typically customize their systems when ordering, so Apple seems to have picked one middle-of-the-road model (albeit a powerful one) as the standard. Apple representatives also told us that Mac resellers and Apple retail stores can order the models that they think will be most popular—essentially leaving the configuration choices up to them. And of course, individuals can use the suggested configuration as a starting point and then build up (or down) as needed.

Does the Mac Pro use the same RAM as other Intel Macs?

No. While the DDR2 RAM in the Mac Pro is the same speed as that in all other current Intel Macs (667MHz, compared with the Power Mac G5’s 533MHz), the Mac Pro uses Fully Buffered memory modules, or FB-DIMMs. Each FB-DIMM has built-in error checking and correction, and carries a chip (known as an Advanced Memory Buffer [AMB]) that controls data transmission. Because of the AMB chip on every RAM module, each Mac Pro DIMM comes complete with its own heat sink. Apple says that by attaching a heat sink to every module to dissipate heat, it can keep fan noise to a minimum.

How do I install RAM in the Mac Pro?

The Mac Pro has two small riser cards, each of which contains four FB-DIMM slots. To install RAM, you slide a riser card out and set it down on a flat surface. Then you install the memory modules—always in pairs of the same capacity from the same manufacturer. You need to install pairs of RAM in the proper order, which is printed on the inside of the Mac Pro’s door. When you’re done installing RAM, you slide the riser card or cards back into the Mac Pro until they reconnect with the motherboard.

What does all this mean in terms of performance? How does the Mac Pro compare with the Power Mac G5?

Apple says that the 3GHz Mac Pro with two dual-core Xeon processors is up to 2.1 times faster than the 2.5GHz Power Mac G5 Quad, based on a standard integer calculation benchmark. In real life, however, such numbers give an inflated picture of a processor’s performance. In our initial Macworld Lab tests before going to press, the 2.66GHz Mac Pro scored a 299 on our Speedmark test suite, compared with 262 for the G5 Quad. For the results of our latest testing, see macworld.com/1644.

How many hard drives does the Mac Pro hold?

There’s room for up to four drives, two more than in the Power Mac G5. Apple says that you can install up to 2TB (that’s terabytes, as in thousands of gigabytes) of internal storage if you buy the company’s 500GB drives—but new 750GB SATA drives on the market actually increase that total to 3TB. Best of all, with space for so many drives, you can easily set up an internal RAID for faster storage or mirrored backup, or even set aside a spare drive for using Leopard’s forthcoming Time Machine backup utility.

How easy is it to install or remove drives?

Pretty easy. Each Mac Pro hard drive is mounted on a metal drive chassis with four screws. The chassis slides into

continues



Apple Drops Display Prices

Although it wasn’t mentioned during the Mac Pro announcement, Apple lowered the prices of its Cinema Display line during August’s Worldwide Developers Conference (WWDC). The 2,560-by-1,600-pixel, 30-inch Cinema HD Display dropped \$500 to \$1,999. The 1,920-by-1,200-pixel, 23-inch Cinema HD Display is now \$999, down from \$1,299. And the 1,680-by-1,050-pixel, 20-inch Cinema Display is \$699, down from \$799. All three displays use Digital Visual Interface (DVI) connections.

Microsoft Axes Virtual PC for Macs

Not surprisingly, Microsoft’s Macintosh Business Unit (Mac BU) indicated that it will not develop a new version of its Virtual PC emulation software to run on Intel-based Macs. A statement from Microsoft read “developing a high-quality virtualization solution, such as Virtual PC, for the Intel-based Mac is similar to creating a version 1.0 release due to how closely the product integrates with Mac hardware.” Microsoft does, however, recognize the need for some Mac users to access Windows applications, and suggests that “alternative solutions offered by Apple and other vendors, combined with a fully packaged retail copy of Windows, will satisfy this need.”

Quicken 2007 Ships

Financial software-maker Intuit has released Quicken Mac 2007, which includes several new features. What



it doesn’t include, however, is native support for Intel-based Macs. An Intuit representative said that the company “focused on features that customers told us were most important” with the update, specifying 401(k) management and paycheck features. The spokesperson added that the \$60 Quicken Mac 2007 does run on Intel-based Macs through Apple’s Rosetta translation technology: “There is not a significant performance increase when running natively on Intel-based [Macs].”

place, attaching directly to the Mac Pro's motherboard. There are no cables to connect.

If the case is the same size as the Power Mac G5, how can Apple fit four drives in it?

One of the biggest benefits of switching to Intel processors is that they use less energy; therefore, they generate much less heat than the PowerPC processors Apple used. Less heat produced means less cooling required—the G5 Quad used nine fans and a liquid cooling apparatus. The Mac Pro has only four fans and no liquid cooling—so by removing elements included specifically to keep air flowing, Apple reclaimed a lot of space.

Since there are fewer fans, how does this affect the Mac Pro's noise level? Is it loud?

We didn't notice any loud noise coming from the Mac Pro we tested, and Apple told us that the fans' dynamic range is very small, so you shouldn't experience

large fan-noise spikes, as with the Power Mac G5.

What else did Apple do with all the extra room in there?

Well, there are the two full-size optical drive spaces. And expansion cards are no longer quite as crowded as they once



were: Previously, installing a high-end, double-size graphics card took up not only the PCI Express slot meant for graphics, but also the slot next to it. That left users with only two free PCI Express slots instead of three. With the

Mac Pro, Apple has given the graphics slot twice as much room to accommodate wider cards.

Speaking of PCI Express, are the speeds of each slot the same as with the Power Mac?

In the Power Mac, each PCI Express slot had a set bandwidth, expressed in terms of lanes. With the Mac Pro, Apple says that when you boot the computer after installing a new PCI Express card, the OS will let you choose the amount of bandwidth to dedicate to that slot. Apple told us that the total amount of bandwidth available to the PCI Express bus is less on the Mac Pro than on the Power Mac, but said that the ability to direct that bandwidth as needed should make up for that shortcoming. Apple also told us that there's more wattage available to the PCI Express bus, letting you power two Nvidia Quadro FX 4500 graphics cards. □

JONATHAN SEFF is *Macworld's* senior news editor.
JASON SNELL is *Macworld's* editorial director.

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ANDY IHNATKO'S TAKE ON THE WWDC KEYNOTE

Where's the Rest of Leopard?

There's an energy that permeates a Steve Jobs keynote—a weird, purple, sentient energy that Stephen Hawking has never been drunk enough to imagine. Even though there's nothing that won't be explicitly revealed between the time Steve thanks us all for showing up and releases us back into the general population, speculation keeps everybody alert until One More Thing becomes One Final Thing. I wasn't there in person for the WWDC, so maybe that's why, after I got to the end of the live broadcast and the delayed Quick-Time streamcast, I found my chair locked back into the Speculatin' position.

What got me was one line from Steve's keynote, explaining why Apple wouldn't be demonstrating all of Leopard's new features during the keynote: "We don't want our friends to start their photocopiers any sooner than they have to." These "friends" being Microsoft, naturally.

This was damned nice of Steve. It's only appropriate for him to extend a little pity up to Redmond. Why give the Windows Vista team even more to do in the next few months?

It just occurred to me that it wasn't necessary to point out that this demo wasn't complete. When Steve is on a keynote stage, he's a consummate showman. Just as when you're watching a magic show, the moves that are apparently unnecessary are the ones that should attract the closest scrutiny. He doth protest too much—so why the explanation?

- Because Microsoft might have swiped some more ideas from Mac OS X? If so, this might be the most charitable thing ever said about Microsoft. They've had five years to ship Windows Vista, with nothing to show for it but some hats, I think. It's flattering to suggest that anything Steve shows off in August could be coded, tested, and shipped by Microsoft by January.

- Because many Leopard features aren't yet ready for prime time? This is certainly

plausible, but if true, why bother to even offer an explanation? Apple's refusal to discuss unannounced products can confound users, journalists, and analysts alike. But I think it's the only sensible policy. Is Apple working on a phone? Sure, I'd bet there's test hardware somewhere on campus. But if Apple wants to wait three years until a new wireless infrastructure is in place, so be it. OS X 10.5 has been announced and demoed, but the same principle applies: there's no announced ship date and no commitment to any features.

- Because showing off Leopard's flashier features would give too much away? Perhaps—but not in the way you think. Not to Microsoft, who could harvest features and concepts for Vista, but to users, journalists, and analysts, who would figure out way too much about the hardware that Apple intends to release in the coming months? Oooo . . . I like that one. What if Leopard included a new feature called "Liv-

ingston"? The purpose of this feature would be for the OS—or a network—to fix your location, route services to you, and allow your proximity to a certain Mac affect how that Mac interacts with you. How would Apple demo such a feature without, say, a wireless iPod with a Bluetooth chip? Oops . . . they haven't announced a wireless iPod. How could Apple demo a cool feature where we can "move" a widget or even just an iChat session from the desktop onto a mobile phone, without a phone that's super-Apple-studly?

But seriously—why didn't Steve show off all of Leopard's new features? Obviously because it's a 90-minute keynote, there was lots of cool stuff to talk about, and nobody should expect the company to tip over the entire basket of secrets all at once. Still, the chair's awfully comfortable when it's in the Speculatin' position, isn't it? (For a longer version of this column, see macworld.com/1645).—ANDY IHNATKO



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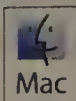
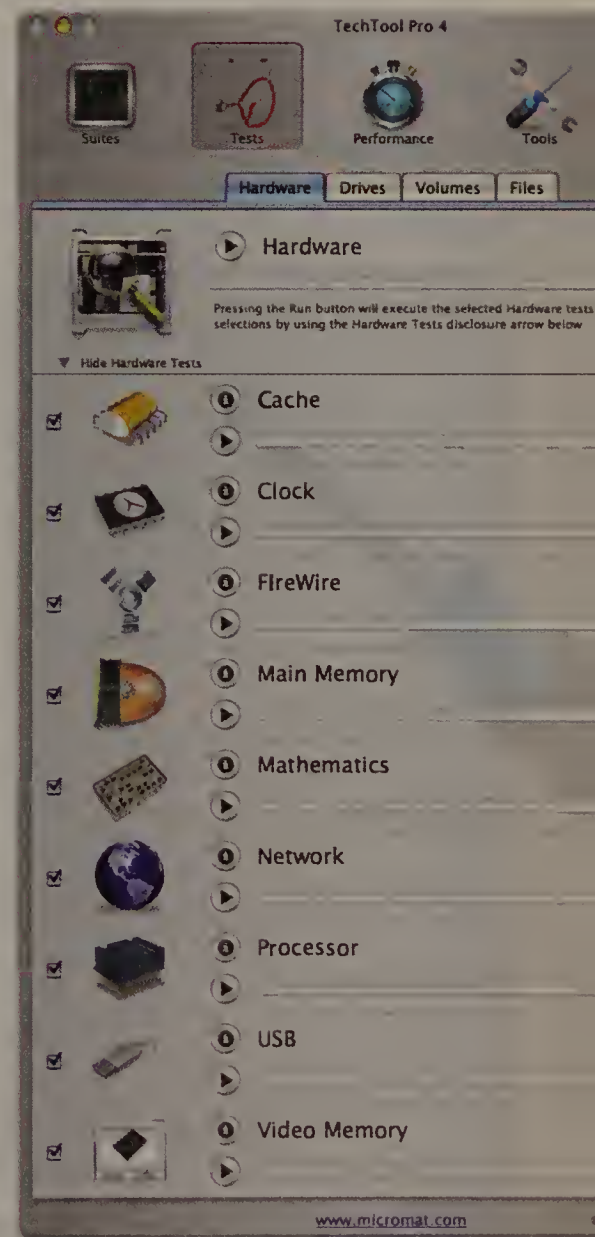
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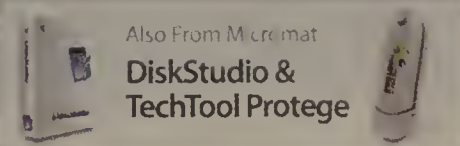
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APPLE ANNOUNCES XEON-BASED SERVER UPDATE

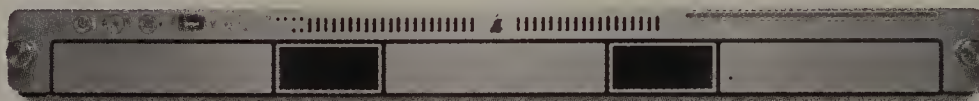
New Xserve Coming Soon

The Mac Pro may have been the big hardware announcement at August's Worldwide Developers Conference, but it wasn't the only one. Apple also unveiled a new Xserve, an updated version of its 1U rack-mountable server, now with two dual-core, 64-bit Intel Xeon processors. It will be available in October.

As with the Mac Pro, the Xserve is configurable with two dual-core Xeon processors running at 2GHz, 2.66GHz, or 3GHz, with independent 1.33GHz frontside buses and 4MB of shared L2 cache per processor. The Xserve also supports up to 32GB of 667MHz Fully Buffered DIMMs (FB-DIMMs), with a wider data path and three times the bandwidth of that in the Xserve G5. The Xserve supports up to 2.25TB of hot-pluggable storage in three drive bays. The cooler-running Xeon processors run with as little as 65w of power per socket (or 80w per socket for the 3GHz processors), and Apple has added an optional sec-

ond, redundant power supply for users who require uninterrupted uptime.

"We've designed these machines so they will run just as well in a data center as they will in someone's closet," says Alex Grossman, Apple's senior director of server and storage hardware product marketing. "Our users range from organi-



zations that use the Xserve in mission critical environments to schools and individuals."

Other new features include quick deployment rails for rack mounting, a lights-out management system that lets administrators control the hardware from a remote location, and Apple's Server Monitor software and Remote Desktop agent.

The new Xserve ships with built-in ATI Radeon X1300 PCI Express graphics with 64MB of GDDR3 SDRAM that can drive up to a 23-inch Cinema Display, and Apple offers an ATI Radeon X1300

PCI Express graphics card with 256MB of DDR2 memory and a dual-link DVI port (which can work with a 30-inch display) as a build-to-order option.

The Intel Xserve will be the first system to ship with a preinstalled unlimited client edition of Tiger Server software that is optimized to run on Intel systems. Tiger Server integrates more than 100 open-source projects and standards-based applications with management tools for Mac, Windows, and Linux clients.

The standard configuration (at \$2,999) features two 2GHz dual-core Intel Xeon 5100 processors with 1GB of 667MHz FB-DIMMs, a single 80GB 3 Gbps SATA Apple Drive module, dual Gigabit Ethernet, built-in graphics, a Combo drive, one FireWire 400 port, two FireWire 800 ports, two USB 2.0 ports, and an unlimited client license of Mac OS X 10.4 Server. Custom configurations include different processors, more RAM, larger and additional hard drives, and an 8x double-layer SuperDrive.—MACWORLD STAFF

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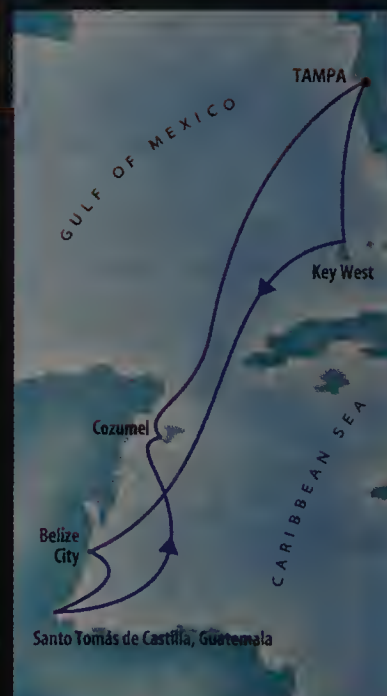
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GAMERHOOD SERVICE LOOKS TO EXPAND GAME REACH

Aspyr Goes Online

At a time when Mac users are clamoring for games but retail shelf space is as scarce as ever, Mac game publisher Aspyr Media has come up with a bold new initiative to meet that demand. Dubbed Gamerhood, the software targeted for a late-2006 debut will let users download not only the latest and greatest Aspyr Media games, but also casual and older games that might otherwise get squeezed off brick-and-mortar retail shelves.

Gamerhood aims to provide a one-stop online shop for Mac gamers, with both a storefront and a way to improve several elements of the Mac game-play experience.

One such element is copy protection. CD and DVD checks, which many games require, force Mac users to have their discs on hand to play, even if they've bought the game legitimately. This requirement is particularly burdensome for laptop users, who have to carry around the game discs if they want to play when they're out and about.

"We've been listening to people about CD checks, and we recognize that more people than ever have notebooks that they want to game on," says Aspyr president Michael Rogers. "Rather than forcing these folks to download a crack [software that makes your Mac think the disc is installed], we want to make it eas-

ier for people to play."

Gamerhood will let users download games after buying them from Aspyr and then back them up to another hard drive, CD, or DVD, depending on the size of the game file. Gamers won't need a physical disc in their optical drive, though their machines will need to be authorized to play. Gamerhood will also serve as a unified system for downloading updates and patches to new games, so users won't need to worry about making sure they have the latest version installed.

Finally, Aspyr hopes to tackle the ongoing problem of game availability.

With Gamerhood, Rogers believes that Aspyr will be able to expand

its library of available Mac games, including things that wouldn't be sold at retail stores anyway—such as card and puzzle games and older games that still have some marketability but aren't viable in stores.

Aspyr envisions Gamerhood as an alternative to the traditional retail channels, so don't expect a price incentive when you buy top-tier commercial games from Gamerhood—chances are that a game purchased and downloaded online will cost the same as it does in a store, especially if the top-tier game is released simultaneously on Gamerhood and in stores.—PETER COHEN



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**MULTIMEDIA
BEAT**

RiffWorks 2.0, from Sonoma Wire Works (www.sonomawireworks.com): Music software lets you record short guitar riffs using real-time effects and a virtual drumming module (\$130).

SimpleChord 4.0, from Wonder Warp Software (www.wonderwarp.com): Upgrade to song-sketching tool now supports MIDI export (\$13).

Akoustik Piano 1.1 R2, from Native Instruments (www.native-instruments.com): Update adds new overtone technology to provide realistic string resonance for piano sounds (free).



**HARDWARE
BEAT**

US-122L and US-144, from Tascam (www.tascam.com): New portable USB 2.0 audio interfaces include two XLR mike inputs with phantom power (US-122L, \$199; US-144, \$269).

Securespot, from D-Link (www.d-link.com): New hardware device provides network security and spam blocking for up to four computers (\$100).

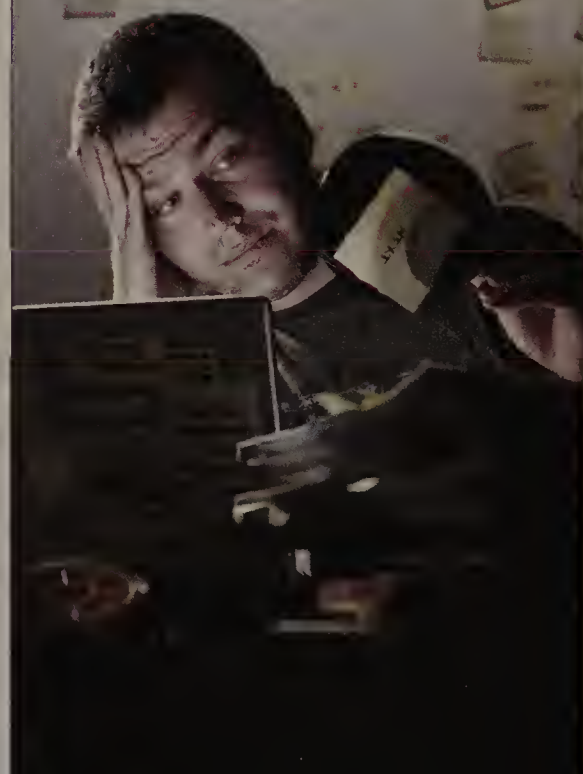
MiniXpress 825, from TransIntl (www.transintl.com): Hard-drive enclosure for SATA drives includes external connections for USB 2.0 and Firewire 400 and 800 (\$99).

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Tera Patricks, Mac360.com

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Shawn King, Host/Exec.
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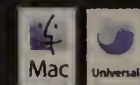


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APPLE CUTS THE CORD ON MULTIBUTTON DEVICE

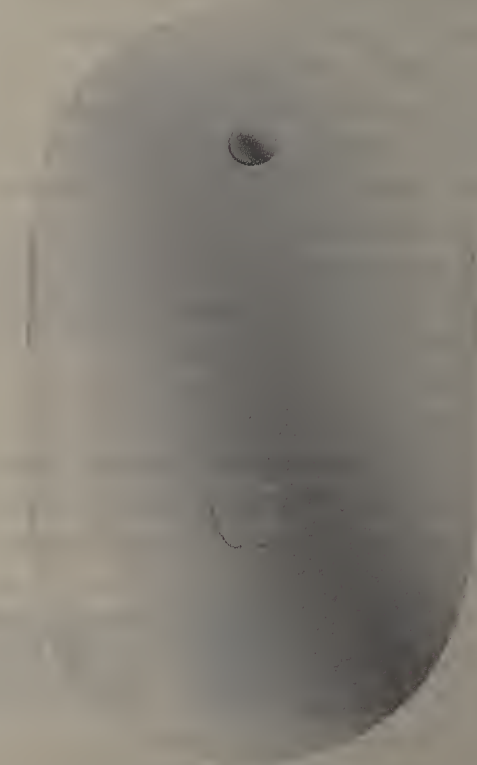
Wireless Mighty Mouse

When Apple released the Mighty Mouse—the company's first multibutton mouse—in 2005, Mac users had two choices for Apple-branded input devices: a corded version with many functions, or a wireless version with a single button. For users who don't relish having to forgo advanced features in order to take advantage of wireless technology, Apple has made the choice easier with a wireless version of the Mighty Mouse.

The \$69 wireless Mighty Mouse is the same shape and size as the corded version (which costs \$20 less), has the same clickable Scroll Ball and side buttons, as well as the touch-sensitive top shell, but it improves greatly on the standard Mighty Mouse. The foremost improvement is that the wireless mouse uses Bluetooth 2.0 to communicate with your Mac, so you can use it from up to 30 feet away with a Bluetooth-capable Mac running OS X 10.4.6 or later. Wireless mice help reduce clutter on your desktop and make traveling with a mouse for your laptop easier.

Replacing the optical technology in the corded version, the wireless version uses a laser tracking engine that Apple says is 20 times more sensitive than standard optical mice. This helps achieve better tracking on more surfaces without a mouse pad.

The wireless mouse uses AA batteries. Advanced power management enables it to operate with either one or two batteries, and the mouse switches to a low-power mode whenever possible. The wireless Mighty Mouse has another feature the wired version doesn't: an Off switch, for prolonging battery life when you're not using the mouse.—JONATHAN SEFF



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WILL NEW DVD FORMAT MAKE IT INTO MACS?

Blu-ray on the Way

Apple has a good history of embracing emerging technologies—USB, FireWire, Bluetooth, and wireless networking, to name a few—and incorporating them into its Macs. With Apple on the board of directors of the trade group promoting the next-generation optical-disk technology called Blu-ray, it's easy to envision a near future where Macs sport Blu-ray-based drives.

As with any future product, Apple is keeping its plans for Blu-ray under wraps. But industry analysts don't think we'll have long to wait before Apple puts a Blu-ray drive in an Intel-based Mac. The most likely candidate? The next version of the Mac Pro.

"Apple's past practices favor bringing new optical technologies to professional systems first," says Jupiter Research senior analyst Joe Wilcox. "DVD-RAM and DVD-R formats are excellent examples."

Both Blu-ray and the competing HD DVD optical disc formats are equipped for storing large amounts of high-definition video. The competition between the two standards pits some of the biggest companies in the technology industry against one another.

To the winner will go the spoils of being the new industry standard and receiving acceptance from movie studios and suppliers—which will translate to bigger sales. And since the formats are not compatible, the loser could easily go the way of the Betamax videocassette format when it lost out to VHS in the 1980s.

One drawback of the current format war between HD DVD and Blu-ray for the supporting

companies is potential confusion among customers. Many people may hold off on buying products until a clear winner emerges.

For that reason, Technology Business Research senior analyst Tim Deal believes that Apple will shy away from adding a Blu-ray optical drive to any of its consumer Macs. "[The format war] will cause [public] confusion which will ultimately mean slow acceptance of the technologies in the consumer market," he says.

But that doesn't mean Apple will avoid adopting Blu-ray until after the smoke clears in the format battle. "Apple is an active participant in the Blu-ray consortium, and they didn't let the last format war between DVD- and DVD+ stop them from moving ahead with the drive," says Ross Rubin, director of analysis at market-research firm NPD Group. "I don't see them rushing to support both—typically Apple supports one and they support it well."

Look for Apple to follow the same playbook it used in adding DVD-burning SuperDrives to its hardware lineup: professional-level machines first, followed by consumer offerings. The reason for that strategy, Rubin says, has a lot to do with minimizing the cost of adopting new technologies.

"In DVD writing, [Apple was] very good at timing," adds Rubin. "[It] made a volume purchase play and introduced the drives at a relatively low cost compared to what had been available. I see them taking that approach with Blu-ray." —JIM DALRYMPLE



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IMAGING BEAT

Knoll Light Factory 2.5, from Red Giant Software (www.redgiantsoftware.com): Plug-in for Adobe After Effects and Apple's Motion and Final Cut Pro creates a simulated flare effect (Editors edition, \$179; Pro edition, \$399; upgrade, \$99).

Maya 8, from Autodesk (www.autodesk.com): Upgrade of high-end 3-D-modeling and -animation program (Maya Complete, \$1,999; Maya Unlimited, \$6,999; upgrade from Maya 7 Complete, \$899; upgrade from Maya 7 Unlimited, \$1,249).



PRODUCTIVITY BEAT

Desk Lamp 0.9, from Alf Watt (www.desklampx.com): Desktop search utility adds taggable searches (\$20).

iYoga, from Software Studio (www.iyogayoga.com): New virtual yoga instructor includes a text-to-speech word processor (\$35).

TypeIt4Me 3.0, from Riccardo Ettore (www.typeit4me.com): Universal upgrade for shortcut utility allows you to set up abbreviations for text or pictures (\$27; upgrade, \$9).



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DASHBOARD ADVISORY FEATURE TRANSMITS DATA

Widgets Phone Home

As part of its OS X 10.4.7 update, Apple quietly included a widget update mechanism called Dashboard Advisory to ensure that your third-party widgets are the most current versions, and that you're not using a widget disguised to present itself as something it's not. This mechanism isn't a bad idea, but it has a few major problems.

The first is that users can't control it. Most programs I own that check for updates do so through a mechanism I can disable. With the Dashboard Advisory tool, I can't turn it off without firing up Terminal and modifying the system by moving a file (see macworld.com/1584 for details on how to do so). The update mechanism should be controllable through the already-present



Widgets widget. It would be most logical to have a Check For Updates button here, as well as a setting on the back of the widget to set the updates to automatic, manual, or disabled.

The second problem I have with Dashboard Advisory is that Apple didn't tell users about it—in fact, it took clever users who monitor all their outgoing Internet traffic to discover Dashboard Advisory. Confirming that a third-party widget is both current and what you think it is makes sense—widgets can do many things, since they're really miniature programs. The fact that Apple added this feature on the sly is the bigger issue, especially in these days of spyware and security holes.

As it turns out, the only information being transmitted is the name and version number of each widget. Contrast that with the iTunes MiniStore feature that Apple added several months before (also without telling anyone) that sent data about your iTunes library via third-party servers and (by some reports) included your iTunes ID. Apple rightly listened to the public uproar, and it quickly released an update that made MiniStore's existence explicit and gave instructions on how to disable it.

But even though data being sent about my widget usage is completely innocuous and contains no personally identifiable information, Apple should still learn from its mistakes and announce such features ahead of time, rather than letting a firestorm erupt when they're discovered. I think it'd be easier on Apple and easier on the users. Most importantly, it's the right thing to do.—ROB GRIFFITHS



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Reviews

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Education iMac

Stripped-Down 17-Inch iMac Is a Good Fit for Schools and Colleges

BY JONATHAN SEFF

With the \$899 iMac education configuration, Apple has a good chance of regaining some of its former glory with school systems by offering a powerful yet low-cost all-in-one computer that can run Mac OS, Windows, and Linux. This model is available only to institutions. College students, as well as K-12 and college staff, can purchase the standard 17-inch and 20-inch iMacs at a discount. This Mac brings an end to Apple's previous education computer—the eMac (macworld.com/1608)—and to Macs with CRT displays and G4 processors. Apple's education iMac is similar to the \$1,299 17-inch iMac (★★★★; macworld.com/1180) that the company sells to the public. It includes a 1.83GHz Intel Core Duo processor with 2MB of shared L2 cache, 512MB of 667MHz DDR2 SDRAM (expandable to 2GB), built-in AirPort networking, Gigabit Ethernet, a built-in iSight camera, mini-DVI video output, analog- and digital-audio input and output, a multibutton Mighty Mouse and an Apple Keyboard, two FireWire 400 ports, three USB 2.0 ports, and a security slot.

Unlike the standard 17-inch iMac, this

iMac has an 80GB 7,200-rpm SATA hard drive, a Combo drive, and Intel's GMA 950 integrated graphics processor (which borrows its RAM from the system memory).

Unlike the other models, which ship with a single 512MB SO-DIMM and have an open RAM slot, this iMac has two 256MB SO-DIMMs. The downside is that you can't just add RAM to this iMac; you must replace both SO-DIMMs to upgrade. And completely missing from this iMac are Bluetooth connectivity and the Apple Remote.

While this iMac comes with the iLife '06 suite of multimedia applications, it doesn't come with word processing, spreadsheet, page-layout, or database software, such as the AppleWorks suite that came with previous education Macs. That may be an extra expense for schools.

The Macworld Lab tested the \$899 iMac with our standard suite of tests, and the results were impressive. The overall Speedmark score was 175, which compared very favorably to the eMac (137) and the MacBook



with the same processor (155).

As with all Intel-based Macs, performance suffers when running non-native applications. But the non-native Microsoft Office applications did work very well on this iMac.

Macworld's Buying Advice

The features that Apple removed from the standard iMac to make this one more affordable were good choices given the target market. However, the lack of included software for word processing, page layout, and spreadsheets may be a concern. (A longer version of this review is online at macworld.com/1607. For an educator's perspective on this model, see macworld.com/1606.) □

RATING: ★★★★★

PROS: Attractive price; impressive performance; good features for education market; big improvement over eMac in most areas.

CONS: No SuperDrive option; no included word processing, spreadsheet, or page-layout software; RAM upgrades require matched pairs.

PRICE: \$899 (only for educational institutions)

COMPANY: Apple Computer, www.apple.com

JONATHAN SEFF is Macworld's senior news editor.

PHOTOGRAPH BY PETER BELANGER

Macworld LAB TEST	Speedmark 4.5	Adobe Photo- shop CS2	iMovie 6.0.1	iTunes 6.0.4	Unreal Tourna- ment 2004
	OVERALL SCORE	SUITE	AGED EFFECT	MP3 ENCODE	FRAME RATE
17-Inch Education iMac/ 1.83GHz Core Duo	175	2:46	1:08	1:10	20.6
eMac/1.42GHz G4	137	1:45	1:59	2:15	19.9
MacBook/1.83GHz	155	2:52	1:11	1:33	17.5
17-Inch iMac/1.83GHz Core Duo ^A	202	2:44	1:08	1:22	50.2
	>Better	<Better	<Better	<Better	>Better

BEST RESULTS IN **BOLD**. REFERENCE SYSTEMS IN *ITALICS*. ^ATESTED WITH MAC OS X 10.4.4.

Speedmark 4.5 scores are relative to those of a 1.25GHz Mac mini, which is assigned a score of 100. Adobe Photoshop, iMovie, and iTunes, scores are in minutes:seconds. All systems were running Mac OS X 10.4.7 (except for the retail 1.83GHz iMac, which was tested with Mac OS X 10.4.4) with 1GB of RAM and processor performance set to Highest in the Energy Saver preference pane when applicable. The Photoshop Suite test is a set of 14 scripted tasks using a 50MB file. Photoshop's memory was set to 70 percent and History was set to Minimum. In iMovie, we applied the Aged video effect to a one-minute movie. We converted 45 minutes of AAC audio files to MP3 using iTunes' High Quality setting. We used Unreal Tournament 2004's Antalus Botmatch average-frames-per-second score; we tested at a resolution of 1,024 by 768 pixels at the Maximum setting, with both audio and graphics enabled. To compare Speedmark 4.5 scores for various Mac systems, visit our Apple Hardware Guide at macworld.com/0815. —MACWORLD LAB TESTING BY JAMES GALBRAITH AND JERRY JUNG

REVIEWS YOU CAN TRUST Macworld rates only final shipping products, not prototypes. What we review is what you can actually buy.

Task Masters: Calendar and Project-Management Apps

Software to Help You Get Organized, Stay on Schedule, and Meet Your Deadlines

Your information is everywhere: on notebooks and scratch pads, stuffed in your pockets, falling out of your backpack, on cocktail napkins—maybe even hiding in a stack of receipts. If you’ve ever wanted to get it all organized in one spot—on your computer—you have a range of options, from simple calendaring applications to full-blown, industrial-strength project-management apps.

If a journey of a thousand miles really does begin with a single step, the key to getting organized may simply be getting started. Beyond that first step, though, what tools should you use to keep yourself on the path?

We begin our journey with a review of a calendaring application that offers an alternative to Apple’s iCal, and we progress to reviews of complex apps that do more than just keep track of one person’s appointments. We review project management-focused apps suitable for both single users and networked professionals, who may need to collaborate and share resources as a group.

DayChaser 2.0
Even though Mac OS X includes iCal, there’s a big market for calendar programs for the Mac. Instead of repeating iCal’s features, Econ Technologies’ DayChaser 2.0 offers a different strategy for organizing your appointments and tasks.

Rather than showing all of your separate calendars in the same window, as iCal does, DayChaser uses individual calendar files, each of which it displays in a separate window. This is both the program’s strength and its weakness. Since you have more display options with DayChaser—you can choose your own global font and color for events the program records—each calendar can have a completely different display. How-



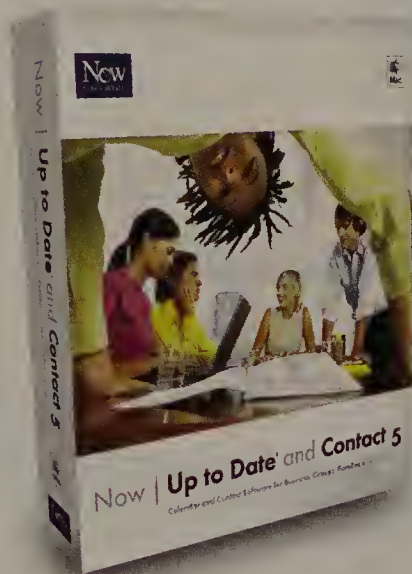
Your True Colors Econ Technologies’ DayChaser lets you spice up your calendars with custom colors and fonts.

ever, you cannot see how multiple calendars overlap, which is one of iCal’s main strengths. After all, what’s the point of using multiple continues

PRODUCTIVITY TOOLS									
COMPANY	PRODUCT	RATING	PRICE	CONTACT	OS X COMPATIBILITY	PROCESSOR COMPATIBILITY	PROS	CONS	
AEC Software	FastTrack Schedule 9.0.1	★★★★	\$349; upgrade from version 8, \$149; upgrade from version 7, \$199	www.aecsoftware.com	10.3, 10.4	PowerPC	Helpful examples, tutorials, and tech support; consolidates many schedules into one document.	Undo command not always available; unintuitive keyboard commands are hard to learn.	
Chronos	SOHO Organizer 5.5.2	★★★★	\$100	www.chronosnet.com	10.4	Universal	Extends Address Book features; Notes application corrals disparate files.	Spotty documentation; dated Print Essentials module.	
Econ Technologies	DayChaser 2.0	★★★	\$30	www.econtechologies.com	10.3, 10.4	Universal	Provides individual calendar documents; imports iCal calendars; good layout customization.	Can't display multiple calendars in one window.	
Jumsoft	Process 2.0.2	★★★½	\$39; upgrade, \$19	www.jumsoft.com	10.4	Universal	Intuitive interface; allows you to edit some linked documents directly within application; easy to share networked projects.	Lacks advanced features; some features seem incomplete.	
Market-circle	Daylite 3.1.1	★★★★	\$149; upgrade, \$79	www.marketcircle.com	10.3, 10.4	Universal	Business information database has prebuilt tools that small businesses will find useful; lots of customization options.	Report builder features not for novices.	
Project-Wizards	Merlin 1.3.11	★★★★	\$197	www.projectwizards.net	10.3, 10.4	Universal	Excellent interface; complete feature set; easy output and input from iCal and Address Book; .Mac integration.	Only two templates; instructions poorly translated; projects do not update in iCal automatically.	

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REVIEWS

calendars if you can't get a bird's-eye view of how they interrelate?

DayChaser 2.0 lets you set five types of events: full-day events, appointments, memos, executable tasks (opening a specific file or running an AppleScript, for example) and general tasks (to-do items). You can set display options for each event, changing colors and fonts at will so you get a more visually attractive calendar than iCal's. You can also import iCal calendars, allowing you to integrate schedules from other users into your own. And you can set several kinds of event alerts, from dialog boxes to e-mail notifications.

DayChaser 2.0 is a good program for people who want more control over color and who prefer custom fonts in their calendars. But the lack of multicalendar views is a big weakness; if you use more than one calendar, you will probably find that iCal does a much better job, and for free. (For a more detailed review of DayChaser, see macworld.com/1536.)—KIRK McELHEARN

Process 2.0

Jumsoft's Process 2.0.2 is a friendly, intuitive project-management program with a superbly polished interface and an admirably easy learning curve. However, it lacks high-octane features like Gantt charts, which are useful for illustrating how tasks and events occur over time, and parts of the application feel only half-finished.

Process's single-window interface lets users create new projects and show, hide, or create column categories. Sharing project details with other users via Bonjour is easy, and changes made from a remote location appear promptly on the host computer.

Colorful buttons let you add, delete, or group the tasks necessary to complete each project. As you check off each task, a process bar smoothly expands across the top of the screen to show you how a project is progressing. A pop-out Info Drawer lets you set an item's priority, due date, and alarm information.

Process also offers limited Spotlight searching and lets you set up smart projects, which track and display tasks from multiple projects based on the criteria you specify—all the tasks due next Wednesday, for example, or all the ones with *budget* in their name.

I was impressed by Process's ability to link files to individual tasks within a project via drag and drop. You can edit or view many multimedia files, Web addresses, PDFs, and RTF and Word files directly within Process

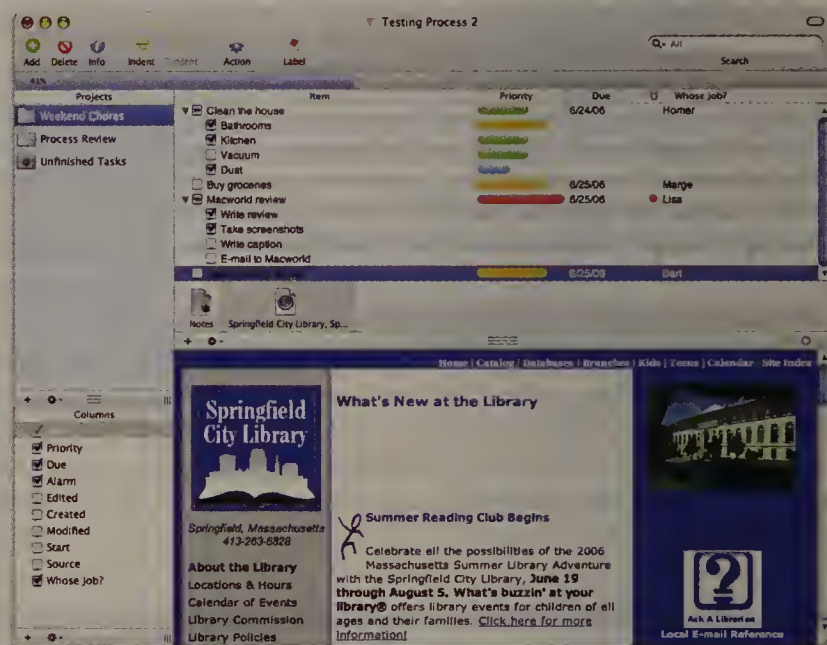
(you'll have to open or reveal other file types in the Finder).

Process can import OPML (Outline Processor Markup Language, an XML format for outlines) files, so it's interoperable with many other applications. Process can also export to OPML, as well as RTF and text.

Process 2.0.2 is a friendly tool for tracking and managing projects. People who don't mind a more difficult learning curve might consider OmniOutliner (★★★★; macworld.com/0612). However, teachers or creative individuals with simple needs should find Process efficient, effective, and fun to use. (For a more detailed review of Process, see macworld.com/1538.)—NATHAN ALDERMAN

SOHO Organizer 5.5

The SOHO Organizer 5.5.2 suite from Chronos consists of three linked applications: SOHO Organizer, SOHO Notes, and SOHO Print Essentials. When you install them on your Mac, the programs share data with each other, as well as with Apple's iCal and Address Book. The suite's real collaborative value comes into play when you set up one or more shared databases on your net-

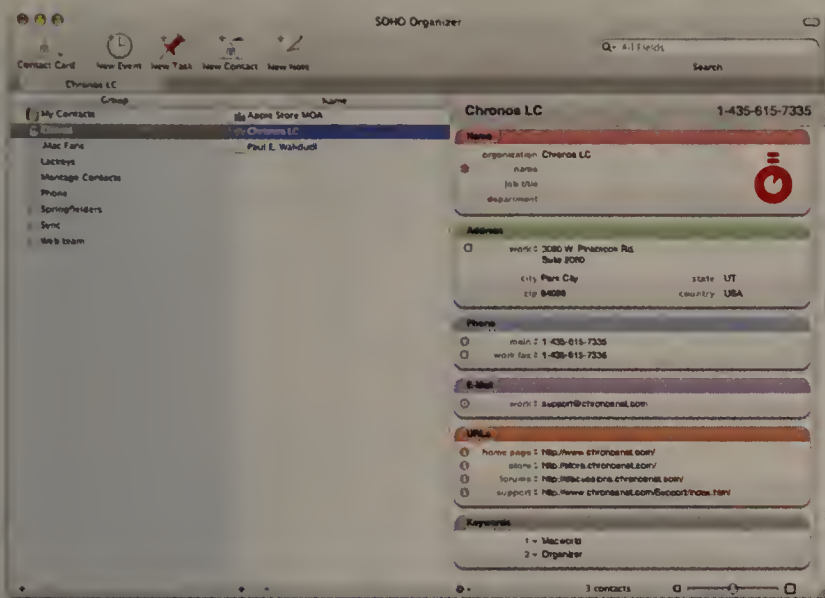


Look, Ma, No Browser! Process lets you browse linked Web pages and edit or view some types of files within the program.

work. Once you've set up a database on a server Mac, you must establish an account (with read-write or read-only access privileges) for each user of Organizer and Notes.

The Organizer application actually combines two separate applications that previous versions of the suite included: SOHO Contacts and SOHO Calendars. The merged app creates an enhanced version of Apple's Address Book, and has a very similar look-and-feel. It lets you link project files, keywords, calendar appointments, and other contacts to each entry and lets you establish relationship links between members of a club, employees of a particular company, or any other connection you choose.

SOHO Notes is a group-sharing successor to Chronos's highly regarded Sticky-Brain application (★★★★½; macworld.com/



People, Places—and Things The Contacts component of SOHO Organizer resembles the look-and-feel of Apple's Address Book, but it lets you add keywords and link project files to contact entries.

0520), a unique tool that lets you corral project-related information—contacts, appointments, to-dos, documents, reminder notes, images, even SMS (Short Message Service) text messages—into folders.

SOHO Print Essentials can be useful for generating form letters, postcards, address labels, or custom envelopes (including bar-coded zip codes) from lists in SOHO Contacts. Print Essentials supports a huge array of address-label types; however, its support for VHS tape and 3.5-inch disk labels—but not CD and DVD labels—suggests that this program is overdue for an update.

SOHO Organizer 5.5.2 overcomes spotty documentation, providing useful shared calendars and contacts, contact-management features that elegantly extend Address Book's capabilities, and versatile linking of project-related files and notes. It's a good choice for small-business users who need a simple information-sharing tool, and it's easy to learn for users already comfortable with iCal and Address Book. (For a more detailed review of SOHO Organizer, see macworld.com/1537.)—JIM AKIN

Merlin 1.3

ProjectWizards' Merlin 1.3.11 is project-management software that's not just built for the Mac—it's built for Mac users. It includes all the standard features you'd expect to find, such as resource allocation, budget tracking, multiple schedule tracking views (including a Gantt chart view), and to-do lists, as well as document linking and version tracking.

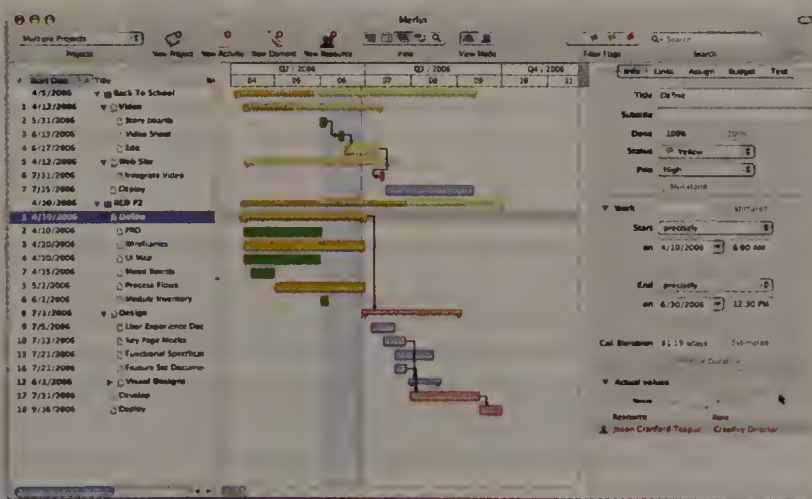
Once you start a project, Merlin's single-window interface makes it easy to set up your project's specific require-

ments. Although it would be nice to have more than just the two built-in templates that Merlin provides, you can import projects started in a variety of other applications, including NovaMind Software's NovaMind, OmniOutliner, Microsoft Project, and ICS files from iCal. Merlin dovetails nicely with Apple's own Address Book for adding project members, and with iCal for keeping your calendar up-to-date. Unfortunately, you cannot quickly jump from a team member's entry in Merlin to his or her information recorded in Address Book, and once you publish calendars to iCal, the two programs do not automatically communicate updates to each other.

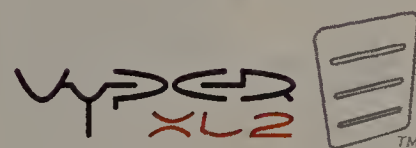
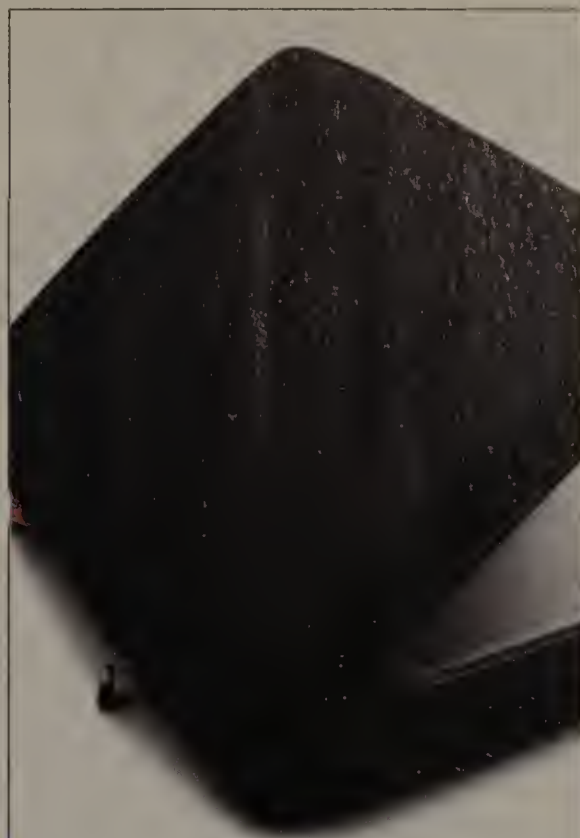
One exceptionally useful feature is Merlin's ability to publish project Web sites to .Mac or to WebDAV-enabled servers with a few mouse-clicks. A site created in this manner will include not only schedules and team contact information, but also links to all of the associated project documents for easy download. However, Merlin doesn't provide any controls to customize this output, and you will have to supply your own software to publish your site manually if you are using a standard FTP server.

If you are looking for project-management software that takes full advantage of the Mac's capabilities, then look no further than Merlin 1.3.11. Despite a few shortcomings in its iCal and Address Book integration—and some quirky German translations in the online manual—Merlin delivers everything you need with the style and finesse you'd expect from an application built exclusively for the Mac. (For a more detailed review of Merlin, see macworld.com/1539.)—JASON CRANFORD TEAGUE

continues



Spelling It Out Check the status of all your projects at a glance, with Merlin's Gantt view.



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Daylite 3.1

Marketcircle's Daylite 3.1.1 has just enough project-management tools for general business projects. Users can define a project's phases and tasks and then assign people and other resources to the project and monitor its progress. One of Daylite's most useful features is the ability to define recurring projects as Activity Sets. For example, you can define the standard steps required to create a quarterly report, and that Activity Set will generate due dates for each step automatically, based on either the finish or start date. Once you create an Activity Set, you can use it repeatedly.

The key to making Daylite work for you is linking—connecting all the individual items associated with a project so they can be seen in the same multipane window, or view. For example, if your "Design and build a new deck" project is open, and you open a Note window and paste in the URL for an online lumber catalog, then Daylite automatically links that note to your project. You can also drag and drop items to link them to projects.

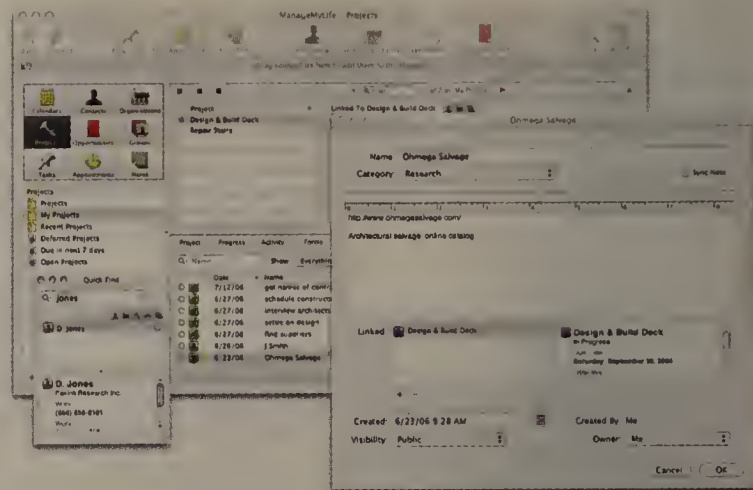
You'll need to become a bit of a guru to get the most out of Daylite because it has so many customizable options; you modify these through the extensive set of preferences. Also, generating reports is complex, and the sample database doesn't have many reports to swipe and modify.

Daylite 3.1.1 has better project-planning and -tracking tools than a typical PIM (personal information manager) and includes the kinds of information workers in small offices need to track and share. Power users will like its ability to be customized. (For a more detailed review of Daylite, see macworld.com/1535.)—REBECCA FREED

FastTrack Schedule 9.0

AEC Software's FastTrack Schedule 9.0.1 is for people who are serious about planning and executing their projects. It provides newcomers with excellent starting points, with templates and examples to follow. But to harness all the power of this application, you'll want to spend a few hours following the many tutorials and reading the extensive printed manual. The program's complexity is a testament to its profound features and flexibility, but it's not easy to learn.

To get started, you add your project's tasks and their durations—weeks, months, or years. Then define the start and end dates for the project, and decide on the resources (people or items) you'll need for each task. After that, you can fiddle with the generated charts and lists to your heart's



Joining Forces You can link notes and contacts to a task or project in Daylite, which allows you to see all the relevant information in one place. Double-click on an item to see more detail and make edits.

content. However, save often—in some situations, often when you need it most, FastTrack doesn't offer an undo function.

FastTrack Schedule's new ability to consolidate schedules is invaluable. If you're a manager, you can ask your subordinates to submit their schedules, and then you can view all the schedules in one document. This enables you to identify over- or underused resources and keep tabs on your team's work.

FastTrack Schedule now opens Microsoft Project (MPP) files directly, instead of simply providing a converter application. And while you can't export a FastTrack Schedule file as MPP, you can export to Microsoft Project XML format, and then import it into Project.

For experienced project managers who are escaping from Microsoft Project, FastTrack Schedule 9.0.1 is the program to trust. It has some interface oddities and relies on unintuitive key combinations to perform some tasks, but it's hard to fault a pro-level program that does just about everything related to project management. (For a more detailed review of FastTrack Schedule, see macworld.com/1534.)—JENNIFER BERGER

Macworld's Buying Advice

Whether you need to get yourself—or an office full of colleagues—organized, you have many more choices for the Mac than you did just a few years ago. Consider taking these applications out for a spin before purchasing them. They're all available as demos to download from the companies' Web sites. (As we went to press, The Omni Group introduced a beta version of OmniPlan, a project-management application. We will review it at our earliest opportunity.) □

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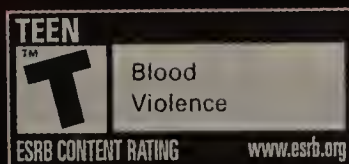
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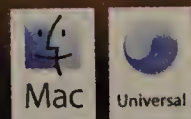
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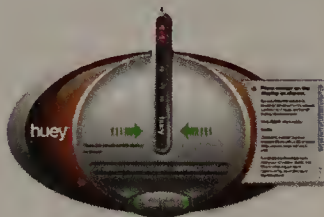
More Reviews

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★★★★ Dymo LabelWriter Twin Turbo ▲ (\$190), from Dymo (www.dymo.com): The Dymo LabelWriter Twin Turbo with Dymo Stamps software is the only postage and label printer combination for the Mac, and it's a high-quality one at that. If you routinely need to print labels and postage on demand, the LabelWriter will pay for itself quickly. Another plus is that it uses a thermal printing process that doesn't use ink or toner (macworld.com/1610).

★★★★½ huey ► (\$89), from Pantone (www.pantone.com): The first step in managing color is to calibrate your monitor's profile to ensure that it displays color accurately and consistently. This process has been a



headache for amateur photographers and other nonprofessionals who wanted to avoid the cost and the learning curve associated with high-end calibration systems. Now along comes Pantone's huey, a small, portable USB device designed specifically for consumers. The huey takes the pain and expense out of calibrating both LCD and CRT monitors (macworld.com/1580).

★★½ MacScan 2.1 ► (\$25), from MacScan Software (macscan.securemac.com): Designed for security-conscious Mac users, MacScan 2.1 does two things: First, it scans your hard drive for spyware and other malware that may have surreptitiously slipped onto your system. Second, it cleans up the traces left behind by

Web browsing—your browser history, cache, and cookies. But the question is whether you really need a sepa-



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Document Scanner

★★★★½ Epson GT-2500 (\$600), from Epson (www.epson.com): The Epson GT-2500, a flatbed document scanner with 48-bit color, is geared toward small businesses that want to easily scan documents. It has an automatic feeder and can produce high-quality scans. But some of its advanced features may be overkill for businesspeople who plan on digitizing only plain-paper documents (macworld.com/1583).



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rate application to do either of these things (macworld.com/1511).

★★★★ **NuLooq navigator & tooldial** ▶ (\$80; stand-alone tooldial software, \$50), from Logitech (www.logitech.com): If you spend a lot of time in Adobe Photoshop, Illustrator, or InDesign CS2, or in a variety of other apps; require precise tool control; and make repetitive trips to the toolbox, menus, or options bar, the customizable and highly configurable NuLooq navigator & tooldial hardware and software package helps you adjust your tool configuration while you work. Logitech has created a must-have combination for the serious creative pro and anyone else that needs precise navigational control over their large monitor (macworld.com/1579).



★★★★½ **Parallels Desktop** (\$80), from Parallels (www.parallels.com): For many Mac users, running Windows

applications is a necessity. In the past, there weren't many options. But Parallels Desktop has the ability to run nearly every version of Windows, along with many versions of Unix and Linux. This makes it a valuable tool for Intel-based Mac users who want to work with other operating systems. If your job requires Windows but you love your Mac, Parallels Desktop will truly give you the best of both worlds (macworld.com/1577).



★★★★ **Print Explosion Deluxe 3.0** ▲ (\$50), from Nova Development (www.novadevelopment.com): Print Explosion Deluxe 3.0 is an easy-to-use application that helps you create personalized projects, such as business cards, T-shirts, and banners. The program includes mail-merge capabilities for Apple's Address Book or text files.

It allows you to create professional-quality products that are suitable for business use, but even young children can easily create personalized cards and crafts (macworld.com/1578).

★★★★ **StorCenter Wireless Network Storage 1TB** ▼ (\$800), from Iomega (www.iomega.com): The StorCenter hard drive delivers a network-connected terabyte of storage, and if your needs are simple, it's a solid choice. Installation and configuration are straightforward, and it integrates easily into existing networks. However, it doesn't offer Bonjour support, nor does it come bundled with Mac-based backup software (macworld.com/1626).



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APPLICATION-REMOVAL TOOL

AppZapper 1.6

For the most part, it's easy to install and uninstall applications in OS X—you drag an application's icon into the Applications folder to install it, and you drag that same icon to the Trash to remove it. But some apps also have support files, which are generally found in a folder inside */Library/Application Support* or *your user folder/Library/Application Support*. Many such files appear when you run an installer utility to add a new application, but some apps add support files the first

Camino's folder of support files in its Application Support folder, Camino's preferences file, and Camino's folder of cache files in yet another location. You also see the size of each file or folder (but, alas, not the app's version number), and you can view any item in the Finder by clicking on the magnifying-glass icon next to the item in AppZapper's list.

Click on the Zap button, and all the files are moved to the Trash (with a somewhat startling "zap" sound accompanying the action). If you want to keep a particular file or folder, deselect the item before zapping (AppZapper won't touch any documents you created with the applica-

tion you're zapping).

I should add a word of warning here—one that applies to any uninstall utility: Be careful with applications that share resources or are part of larger software packages, as you may accidentally delete files that are needed by other applications. For example, support files for one application in a suite may also be used by the suite's other apps. AppZapper seems to handle this fairly well by erring on the safe side: I dragged individual apps from a number of

popular software packages onto AppZapper, and no shared resources were deleted. However, this doesn't mean that it can't happen. And a consequence of being safe here is that AppZapper may not always delete everything associated with such an app.

To avoid zapping important applications and their support files, you can drag them into AppZapper's safe list (Preferences: General). There are also options for keeping OS X's default applications safe, for preventing the removal of currently running applications, and for silencing AppZapper's sounds.

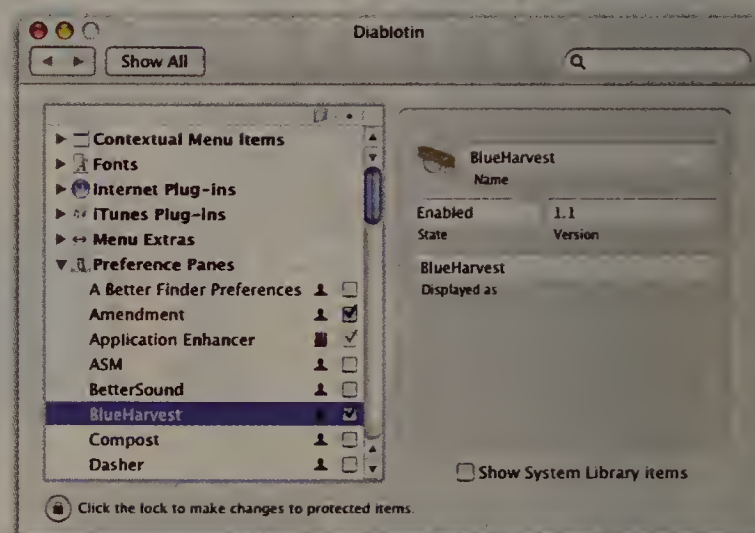
For a different approach, AppZapper's ZapGenie fea-

Apps No More AppZapper lets you uninstall an application—and everything that goes with it.

time you launch them. And almost all apps have preferences files, too; they reside in */Library/Preferences* or in *your user folder/Library/Preferences*.

So how do you really uninstall an application, with confidence that you've rid your hard drive of everything associated with that app? If the application came with an uninstaller, or if its installer includes an uninstall option, you can use that. Otherwise, using Austin Sarnier and Brian Ball's AppZapper 1.6 (♦♦♦½; \$13; appzapper.com) is one of the easiest ways to remove all traces of an application.

Drag an application into the AppZapper window, and AppZapper shows you a list of all the files that it believes are associated with the app. For example, drop the Camino Web browser's icon onto AppZapper, and you'll see Camino itself,



EXTENSION MANAGER

Diablotin 1.3

If you were using a Mac before OS X arrived on the scene, you probably remember Extensions Manager or its

Turn It On (or Off) Again Managing your OS X add-ons is a piece of cake with Diablotin.

commercial alternative, Cassidy & Greene's Conflict Catcher. Both utilities let you enable or disable individual system add-ons—control panels, extensions, and so on—either at startup or before the next restart, mostly to avoid (or to troubleshoot) the conflicts that sometimes arose between startup items and applications, or between different startup items.

These sorts of conflicts are much less common in OS X, but they do happen. And if you're having general stability problems, one of the first steps you should take is to disable third-party add-ons—if the problem goes away, you then need to find out which specific items are causing the problems. You could do so by manually moving such files out of (and later back into) their

respective folders, but an easier way is to use the OS X equivalent to Extensions Manager, Stéphane Sudre's Diablotin 1.3 (🍎🍎🍎; free; macworld.com/1548).

Diablotin, which works as a preference pane, lets you enable and disable various system add-ons: contextual-menu items, fonts, Internet plug-ins, iTunes plug-ins, menu extras, preference panes, QuickTime plug-ins, screen savers, sounds, and Startup Items. Open the Diablotin pane, and you'll see a list of file types; click on the disclosure triangle next to a file type to view all currently installed items of that type. (Selecting an add-on type itself gives you a short description of that type of item, along with a summary of how many of that type are installed and how many are enabled.) Selecting any individual item provides you with a bit more information about it.

Items in your user folder have a person icon next to them—you can disable one of these items just by removing the check mark from the box next to it. Items in the root-level Library folder (/Library) have a bookshelf icon and can be disabled only by administrators. (You may need to log out and then back in for the changes to take effect—the item may be moved to a Disabled folder, but since the code is loaded at login, it remains in memory until its processes are actually stopped.)

System-level files (/System/Library) aren't listed in Diablotin by default—because you usually won't want to mess with OS X's system components. However, if you're an advanced user and you know what you're doing, you can work with these files by selecting the Show
continues

Multiple-Item Clipboard Utilities

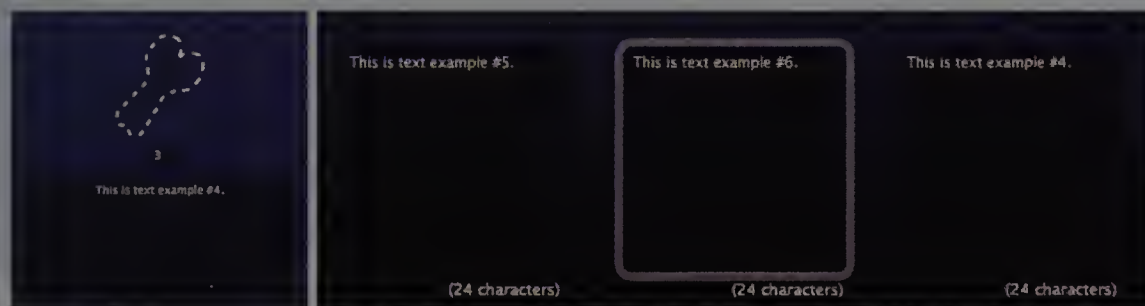
As someone who works with text for a living, I've always wanted to incorporate a multiple-item Clipboard utility—one that stores all the recent contents of the Clipboard—into my workflow. I can't remember how many times I've copied (or, even worse, cut) something, meaning to paste it elsewhere, and then absentmindedly copied something else, losing the original content. A multiple-item Clipboard utility would eliminate this kind of mistake.

Until recently, I'd found that the available Clipboard utilities had poorly designed or complicated interfaces that disrupted my workflow in some way. Then I came across Steve Cook's **Jumpcut 0.6** (🍎🍎🍎; free; jumpcut.sourceforge.net) and American Balloon's **PopCopy 2.3** (🍎🍎🍎; \$14; www.popcopy.net). Both utilities keep track of items you copy to the Clipboard—an unlimited number of Clipboard items with PopCopy, and a user-defined number with Jumpcut—and make those contents available via the menu bar or a translucent pop-up window that appears when you press a keyboard shortcut of your choice.

The translucent window displays past Clipboard contents—one at a time with Jumpcut, and three at a time with PopCopy. You can cycle through items by pressing the left- or right-arrow keys, or by repeatedly pressing the alphanumeric portion of your shortcut (for example, if the shortcut is ⌘-option-V, you'd press the V key while holding down the ⌘ and option keys). With PopCopy, releasing the shortcut keys pastes the chosen content into the active application. Jumpcut can work in the same way, but I prefer its option that lets you leave the window on screen until you either press the enter key (to paste) or the escape key (to cancel). PopCopy doesn't offer such an option, so you must paste something even if you no longer want to (both utilities let you copy the selected content to the Clipboard instead of pasting it immediately, but being able to completely cancel the action is nice).

You can also customize the translucency of Jumpcut's window, choose the number of recent Clipboard items to remember, and choose how many recent Clipboard items are included in Jumpcut's menu-bar menu. Jumpcut is also a bit smarter when you copy the same text twice—it recognizes that the text is already on the Clipboard and doesn't save an additional copy; PopCopy creates a second, identical Clipboard entry. And Jumpcut numbers each saved Clipboard item, making it clear which is the most recent, the second most recent, and so on; with PopCopy, there's no indicator. Making the situation more confusing, PopCopy lets you cycle from the last Clipboard item to the first (and vice versa), so you can't tell which is the most recent.

But PopCopy has some advantages over Jumpcut, the most significant of which is that it works with text; images; files and folders; and even clippings from iWeb, Keynote, and Pages (Jumpcut works only with text). And PopCopy can show you a



Finders Keepers These multiple-item Clipboard utilities—Jumpcut (left) and PopCopy (right)—let you paste any recent contents of the Clipboard.

preview of the most recent Clipboard entries in the menu bar; this can waste valuable menu space for text contents, but it can be useful for images.

Both utilities can remember your Clipboard's contents between application launches and even restarts. Another feature of both—which will be either a drawback or an advantage, depending on your perspective—is that the formatting of pasted text will match that of the text it's being pasted into; the style of copied text is not preserved.

So which one is for you? I prefer Jumpcut's "stick on the screen" approach, especially since it lets me decide not to paste anything if I change my mind, and I like that it's easy to see the chronology of Clipboard items (plus, it's hard to argue with free). However, if you need the ability to store images, files, or folders, PopCopy is the way to go. And PopCopy lets you browse through three Clipboard items at a time, instead of Jumpcut's one. If you could combine the strengths of both, you'd have a nearly perfect utility, but until then, you'll have to decide which one better fits your needs.

MAC GEMS

System Library Items option (system-level files have a blue, Jaguar-esque X icon).

One of my favorite Diablotin features is the Screen Savers preview window. If you're like me and you've installed scores of screen-saver plug-ins, Diablotin lets you preview each screen saver and then disable the ones you don't like.

Diablotin does have a few drawbacks. The two most significant are that it doesn't let you manage Login Items or Dashboard widgets—in my experience, these are among the items you're *most* likely to want to manage—and that it doesn't provide an option for deleting items outright. To delete an item completely, you need to disable the item, go to its respective Disabled folder in the Finder, drag it to the Trash, and then delete it. With respect to the latter limitation, although deleting certain files while they're in use could cause instability, there are files (such as screen savers) that you can safely delete.

Diablotin isn't for everyone; rather, it's aimed at seasoned OS X veterans who know their way around a Library folder. If you fall into that group, Diablotin is a handy tool to have around.

iCHAT EFFECTS TOOL

ChatFX 1.2.1

If you've installed Apple's Xcode developer tools (included with OS X), you may have discovered Core Image Fun House, a nifty utility that lets you apply various Core Image filters and effects to images. Many of the effects are quite cool, and it's impressive what you can do without knowing anything about how the underlying technologies work. Similarly, Apple's Photo Booth lets you apply Core Image filters to photos you take with the built-in iSight camera on newer Macs.

But wouldn't it be fun to apply such effects to, say, iChat videoconferences? The next version of OS X will let you do just that, but you can do it now with Script Software's ChatFX 1.2.1 (••••½; \$20; www.scriptsoftware.com). After you install ChatFX, you'll find a drawer with ChatFX's controls at the bottom of iChat's video preview window. Select the On option to enable ChatFX, and then choose an effect from the pop-up menu—the current version has more than 60 effects. The effects range from color transformations (such as a sepia

effect) to distortions (think carnival fun house) to foreground overlays (such as bubbles or sparkles floating over your face)—many of which you can customize. You also get some artistic interpretations, such as Charcoal, Pencil Drawing, and Comic Book. You can even make iChat perform entertaining tricks such as sticking your video on the sides of a rotating cube. (One of my favorite effects is Wipe Off The Snow, which covers the iChat window with a layer of white—when you move your body, the snow is wiped away.)

As much fun as it is to play around with ChatFX's effects on your own, they can be humorously startling when you invite someone to a video chat and then show up looking like something out of a 1950s horror movie or an episode of *The X-Files*. But ChatFX isn't all novelty effects—several of the modes actually have some utility. For example, the Cubic Photo Slideshow mode lets you choose a folder of images and display them in your video chat as a slide show—the slides appear on the sides of a rotating cube. And the Desktop option presents your Mac's on-screen display to video-chat participants, a useful feature that lets you do real-time demonstrations.

THE CONQUEST

DiskWarrior is Now OS X Native

It's the indispensable utility that repairs problems such as disks that won't mount, files you can't trash, and folders that have disappeared. MacUser magazine said, "It's the fastest and safest data recovery utility you can buy."

Macworld magazine said, "DiskWarrior is by far the best disk utility available for the Mac; it can repair virtually any disk problem you may

encounter...and it is likely to become the only tool you'll want to keep with you at all times."

David Coursey, ZDNet AnchorDesk, agrees in an article comparing disk utilities. He used it to fix a disk that no other utility could. "DiskWarrior is a great product, not just because it fixed a pretty serious screw-up, but because it showed me what it planned to do in minute detail before doing it."

But disk damage isn't the only threat to your data. As hard drives get older, the drive mechanisms

THE UTILITY COMPANY

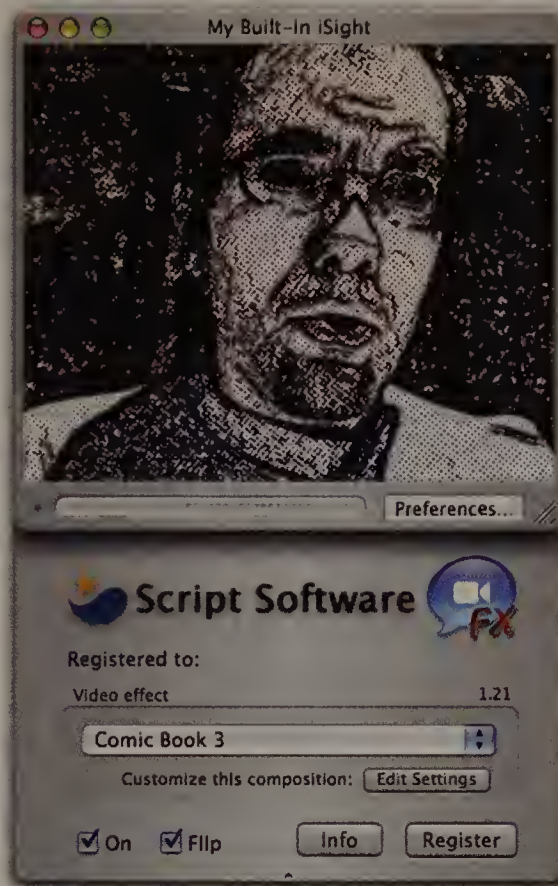


Phone: 1-800-257-6381 Fax: 281-353-9868 Email: sales.info@alsoft.com Web Site: www.alsoft.com

©2003 Alsoft, Inc. DiskWarrior is a registered trademark of Alsoft, Inc. Other product names are trademarks of their respective companies.

The coolest ChatFX effects are (at least in theory) the Bluescreen modes, which let you place an image or a movie behind yourself in the video sent to other chat participants. You put a single-color background behind yourself—a blue or green bedsheet, for example—and select that color as the *key* color. Then you choose an image or a video to take the place of the key color. For example, you could take a picture of your office wall and then participate in work-related video chats while on the road (or at your beach house). An interesting variation on this theme is the Me And My Desktop mode, which uses your Mac's display as the blue-screen background.

Unfortunately, these Bluescreen modes feel incomplete. For example, although you can click on the Edit Settings button to choose the movie displayed behind you, you have to manually type the path to that movie—there's no navigation dialog box, and you can't drag and drop the desired file (furthermore, you can't easily choose an image on your hard drive as a background; ChatFX prefers the URL to an image on the Web). Also, you can't change the key color with the Bluescreen With Movie



Video Verve With ChatFX, your video chats get the Hollywood treatment.

mode. Finally, in my testing with a couple of different backgrounds, finding the right color sensitivity level was difficult: too sensitive, and the blue screen was dis-

rupted by subtle differences in lighting and shadows across the background; not sensitive enough, and everything on the screen, including me, became part of the blue-screen surface that the background was meant to replace. Still, this feature is promising.

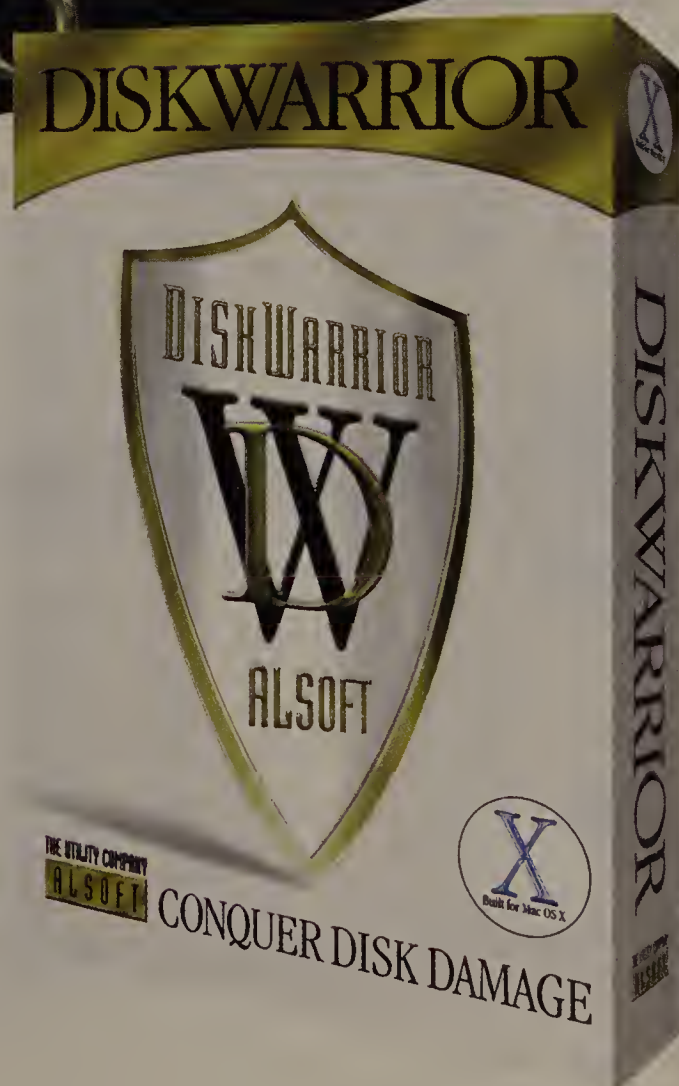
Although ChatFX is a lot of fun, it also has heavy system requirements. As Script Software explains, a fast video card and lots of video RAM go a long way. And some effects are more processor-intensive than others. In my testing on a 1.83GHz MacBook Pro with 1.5GB of RAM, performance varied significantly depending on the effect. Many of the simpler effects worked in real time; however, more-demanding effects caused varying degrees of lag between my actual movements and their display on screen. The good news is that since ChatFX handles all the video processing on your end, there's no additional slowdown on the other end; the people seeing your effects-laden video see it just as you do. □

DAN FRAKES is a senior editor at *Macworld* and the senior reviews editor at *Playlistmag.com*. Send your thoughts on this column, or on things you'd like to see in future columns, to macgems@macworld.com.

CONTINUES

begin to malfunction. Eventually, the malfunctions become so severe that the drive simply stops working. DiskWarrior can automatically test for hardware malfunctions, giving you the chance to back up your data before it's too late.

Be prepared. Don't wait until after you have a disk disaster to buy your copy of DiskWarrior. Bob LeVitus, aka Dr. Mac, said, "I feel naked without DiskWarrior." You can believe MacHome magazine when they said, "DiskWarrior is a quick, one-click solution to faster, more stable hard drives."



Top Products

YOUR GUIDE TO THE BEST HARDWARE WE'VE TESTED

**SEE MORE
HARDWARE
REVIEWS!**

Go to www.macworld.com/reviews.

COLOR LASER PRINTER

★★★★ **Magicolor
2430 DL** (\$499), from
Konica Minolta (www.konicaminolta.com):

The Magicolor 2430 DL is a capable networked color laser printer whose setup needs a bit of finessing. (The toner cartridges are preinstalled, but you need to remove some tape and clips.) However, the printer has a low price, accurate and saturated color prints, and unique features such as PictBridge camera printing. The 2430 DL is a great buy for a home office, a small workgroup, or anyone who doesn't need PostScript support. Beware: this printer is noisy (macworld.com/0635).



ALSO RECOMMENDED:

★★★★ **C522n** (\$499), from Lexmark (www.lexmark.com); macworld.com/1045

INK-JET PHOTO PRINTER

★★★★½ **Stylus
Photo R340**
(\$200), from
Epson (www.epson.com):

The Epson Stylus Photo R340 prints the best color photos in its class, and it reproduces shadow detail extremely well. It's a great choice for printing brilliant color photos, with or without the help of your computer. Also, this printer's ability to print to CDs and DVDs extends its usefulness—and its nice big LCD sweetens the deal. There is a downside, though: its black-and-white prints are subpar and can show slight color casts (macworld.com/0948).



ALSO RECOMMENDED:

★★★★½ **Pixma iP6600D** (\$200), from Canon (www.canon.com); macworld.com/0950

FIREWIRE DRIVES

DESKTOP DRIVE

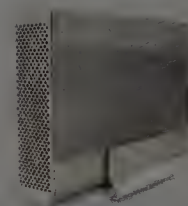
★★★★½ **Black Series Triple
Interface, 250GB** (\$240),
from Iomega (www.iomega.com):



You can't go wrong with its speed, connection options, and low price per gigabyte. This drive can boot OS X via FireWire and includes Retrospect Express (macworld.com/0580).

ALSO RECOMMENDED:

★★★★½ **Mercury Elite-AL
Pro 7,200 rpm FireWire
800/400 + USB2, 250GB**
(\$230), from OWC (www.macsales.com):



This speedy drive can boot OS X via FireWire and includes Retrospect Express. It also has multiple connection options (macworld.com/0580).

PORTABLE DRIVE

★★★★ **Rocbit 2B**
(\$230), from Rocsecure
(www.rocsecure.com):



Rocsecure's Rocbit 2B, with 40-bit encryption, is priced a bit higher than similar unencrypted portable drives, but it is well worth the premium if security is a concern. Once mounted, the Rocbit 2B behaves exactly like any other Mac volume, and it is pleasantly quiet, even during disk activity (macworld.com/1443).

ALSO RECOMMENDED:

★★★★ **Mercury On-the-Go
7,200 rpm 8MB, 60GB**
(\$250), from OWC
(www.macsales.com):



Loaded with useful utilities, this little drive has good connection options and an eye-catching design. It's also fast; it can boot OS X via FireWire and is powered by the FireWire bus. It includes Retrospect Express, other utilities, and a carrying case (macworld.com/0580).

★★★★ **MiniMax 250GB**
(\$250), from Iomega
(www.iomega.com):



If you own a Mac mini, you should check out the MiniMax. It fits neatly under the mini, and its integrated USB and FireWire hub makes it a great companion to the littlest Mac (macworld.com/1159).

MACS

DESKTOP

Product	Processor	Display	Rating	More Information	Best Price	Speedmark 4.5 Score
	Intel Core Duo/1.83GHz	17 inches	★★★★	macworld.com/1153	\$1,270	202
	Intel Core Duo/2GHz	20 inches	★★★★	macworld.com/1154	\$1,610	214
	Intel Core Solo/1.5GHz	not included	★★★★	macworld.com/0909	\$568	123
	Intel Core Duo/1.66GHz	not included	★★★★	macworld.com/0911	\$757	144
 Mac Pro	Intel Xeon/ two dual-core 2.66GHz	not included	★★★★	macworld.com/1646	\$2,494	299

PORTABLE

	Intel Core Duo/1.83GHz	13 inches	★★★★½	macworld.com/1449	\$1,090	154
	Intel Core Duo/2GHz	13 inches	★★★★½	macworld.com/1450	\$1,290	161
	Intel Core Duo/2GHz (black)	13 inches	★★★★½	macworld.com/1451	\$1,353	161
	Intel Core Duo/2GHz	15 inches	★★★★	macworld.com/1475	\$1,599	167
	Intel Core Duo/2.16GHz	15 inches	★★★★	macworld.com/1476	\$2,100	167
	Intel Core Duo/2.16GHz	17 inches	★★★★	macworld.com/1383	\$2,330	193

^aFrom a PriceGrabber survey of retailers as of August 15, 2006. ^bSpeedmark 4.5 is Macworld Lab's standard test tool for benchmarking systems running Mac OS X 10.4 (Tiger). For information on Speedmark testing, go to www.macworld.com/speedmark.

FLATBED SCANNER

★★★★½ **CanoScan 9950F**
(\$400), from Canon
(www.canon.com):

The CanoScan 9950F offers improved scan quality and more-intuitive software controls. This model tops its predecessor, the 9900F, in almost every way—resolution, color accuracy, transparency, scan quality, and software interface (macworld.com/0188).



LCD MONITORS

23-INCH DISPLAY

★★★★½ **L2335** (\$1,599),
from Hewlett-Packard
(www.hp.com):

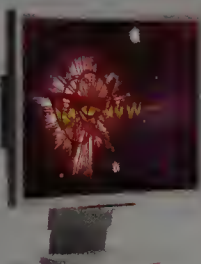
Along with its outstanding value, analog and digital connectors, ability to pivot to portrait mode, and adjustable height, the L2335 provides excellent video-in options and very good color fidelity and viewing angle (macworld.com/0278).



20-INCH DISPLAY

★★★★½ **MultiSync LCD2070NX** (\$799),
from NEC (www.necdisplay.com):

The MultiSync LCD2070NX is great for people who want a moderately priced 20-inch monitor that can display bright, accurate colors. It sports digital and analog inputs, an integrated USB 2.0 hub, and a thin bezel (macworld.com/0636).



17-INCH DISPLAY

★★★★ **UltraSharp 1707FP** (\$279), from Dell
(www.dell.com):

Budget-conscious display shoppers won't be disappointed by this highly flexible 17-inch monitor that has a built-in USB hub. Its display of text is very good, and its color is pleasing. It has an impressive range of motion: it pivots, tilts, and swivels. The only problem is a limited viewing angle (macworld.com/1259).



DIGITAL CAMERAS

8-MEGAPIXEL DIGITAL SLR

★★★★½ **EOS Digital Rebel XT** (\$899; with lens, \$999),
from Canon (www.canon.com):

Canon defined this market with the original Digital Rebel, and the company keeps its lead with the EOS Digital Rebel XT. The Rebel XT is a very small camera—much smaller than the original Rebel. The XT's feature set, image quality, and price, combined with the vast assortment of available Canon mount lenses, make it the best choice in the sub-\$1,000 digital-SLR market (macworld.com/0535).



ADVANCED DIGITAL CAMERA

★★★★ **Panasonic Lumix DMC-FZ30K**
(\$700), from Panasonic
(www.panasonic.com):

The Panasonic Lumix DMC-FZ30K is a sizable beast: at 1.5 pounds and just over five inches long, it feels more like an SLR than an all-in-one camera. The chunky body may be a blessing for people with large hands, who often find smaller cameras uncomfortable. The DMC-FZ30K's SLR styling is well suited to photographers eager for manual controls. The camera's images look great when taken in good light, but noise can quickly become a problem at higher ISOs (macworld.com/1157).



DUAL-LAYER DVD BURNER

★★★★ **PX-716UF DVD±R/RW** (\$239),
from Plextor
(www.plextor.com):

The PX-716UF DVD±R/RW drive features flexible connectivity options; it burns 2.4×-rated dual-layer media at 4×; it has fast 16× burn speeds; and it has the fastest read speeds of the drives we've tested (macworld.com/0313).



IN THE LAB

Hardware Products We Tested This Month

8-MEGAPIXEL DIGITAL CAMERA

★★★★½ **Photosmart R927**
(\$350), from Hewlett-Packard
(www.hp.com):

This camera shoots very good images and has a large LCD and easy-to-use menus. Controls are plentiful: The R927 offers aperture-priority and shutter-priority modes, as well as white-balance calibration and exposure bracketing. But its battery life is poor (macworld.com/1564).



6-MEGAPIXEL DIGITAL CAMERA

★★★★ **Exilim EX-Z600**
(\$280), from Casio
(www.casio.com):

Where the low-priced Exilim EX-Z600 excels is stamina: it took 500 shots on one battery charge. One of the EX-Z600's more unusual features is the built-in perspective (keystone) correction. But the camera's overall image quality is mediocre. A Best Shot button jumps you into a selection of 33 scene modes (macworld.com/1565).



DESKTOP USB/FIREWIRE DRIVE

★★★★½ **My Book Pro Edition 500GB** (\$350), from Western Digital
(www.westerndigital.com):

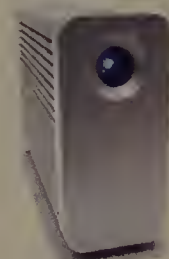
Desktop Mac users looking for a spacious and speedy extra 500GB of storage should consider the Western Digital My Book Pro Edition 500GB drive. Although the drive is luggable, its shape makes it more suited to sitting on a shelf rather than traveling with you. And its USB 2.0, FireWire 400, and FireWire 800 ports give you maximum flexibility when connecting it to your Mac (macworld.com/1566).



PORTABLE USB/FIREWIRE DRIVE

★★★★ **Little Big Disk 200GB**
(\$599), from LaCie (www.lacie.com):

If you're looking for a respectable amount of fast external storage, the bus-powered LaCie Little Big Disk mobile hard drive is a top performer—but at a price. Its solid, stylish metal enclosure gives it surprising heft, considering its small size. But it's light enough to tote around. The Little Big Disk delivers fast performance and the maximum number of connection options, all in an attractive and portable package (macworld.com/1567).

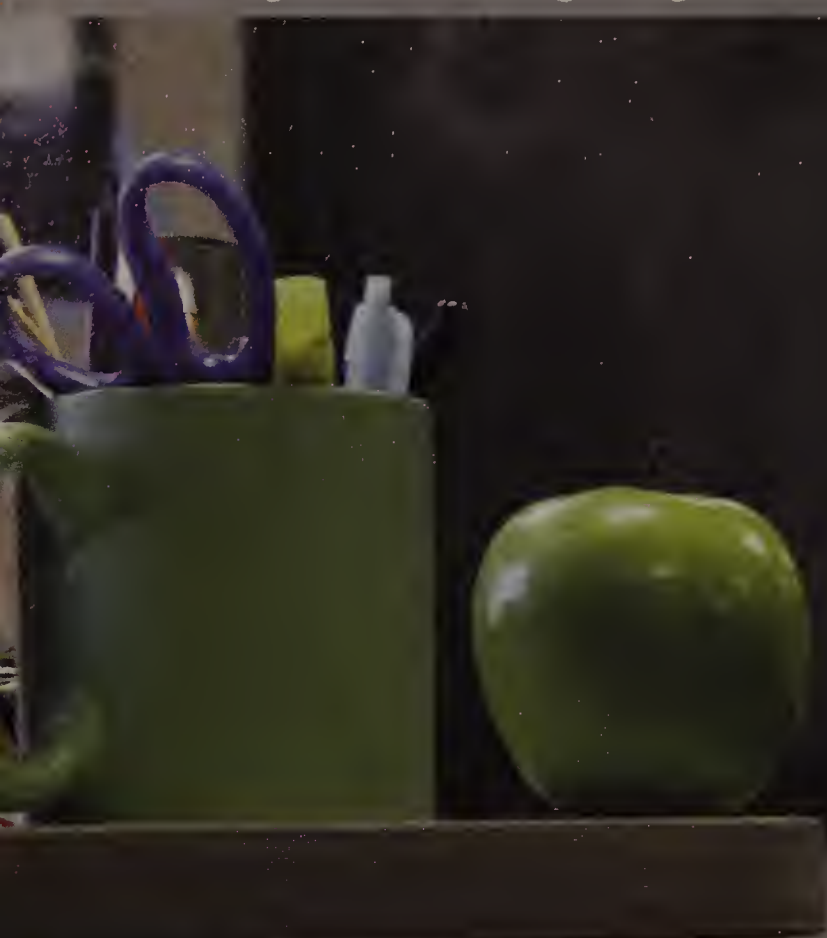


Top Products are those we've recently reviewed in a comparison of like products. As new products become available, we will update the list. For longer reviews of these products and for other product recommendations, go to macworld.com/reviews. All prices are as rated. For the best current prices, go to macworld.pricegrabber.com. All products were available as of July 20, 2006.

Cameras were tested in conjunction with the PC World Test Center.

Your teacher already has an Apple

(Bring something to go with it)



Sportfolio Deluxe
from Marware



Redesigned from OrcaSkin neoprene for the MacBook and MacBook Pro, this sleek, sporty case looks great, protects and offers space enough for your Trapper Keeper (yes, they still make those).



T3Hub
from Dr. Bott
Connect any 3 powered or unpowered USB devices to your laptop without a power supply.



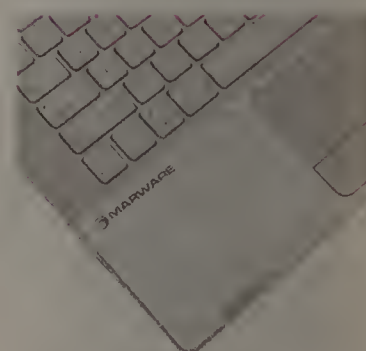
Signature Series
from Case-Mate
Made from super soft nappa leather, these cases makes a timeless statement of good taste.



PowerDuo
from Griffin
Charge up your iPod anywhere from home to on the road. Includes AC and 12 volt adapters.



MOUMOUTE Series
from i-doll
Make a fabulous furry statement with these stylish genuine leather-skin iPod cases.



Protection Pack
from Marware
Keep your MacBook pristine with this wrist rest and a microfiber laptop keyboard cover.

Get Smart

Great Mac Gear for Teenagers—and Their Parents

If you or your kids are headed back to school this fall, you'll need new gear—which is why we've assembled the following guide. We asked Christopher Breen to look at the current lineup of desktop Macs and explain which ones make the most sense for families with high-schoolers. Cathy Lu found some Web sites that are cool enough for teens but won't keep parents up at night. Dan Frakes has some suggestions for the latest iPod cases. Peter Cohen picks some age-appropriate games, and we recommend a few multifunction printer-scanner-copiers. We can't tell you if your jeans are right, but we can help you make sure your tech gear is in order for the school year ahead. ILLUSTRATION BY BEN SHANNON



The Family Mac

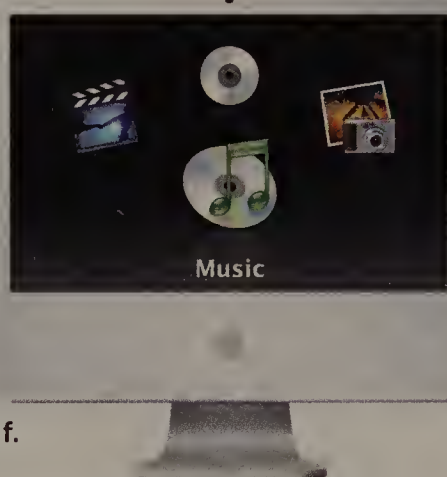
How Apple's Desktop Computers Compare

We all know that Macs are the world's family-friendliest computers. They're easy to share and network, they can double as home-entertainment centers, and their built-in software can handle all kinds of homework (for parents and kids). But *which* Mac is right for *your* family? Most families opt for desktop Macs instead of laptops. Which of Apple's three desktop models—the Mac Pro, iMac, or Mac mini—is best? Here's a breakdown.—CHRISTOPHER BREEN

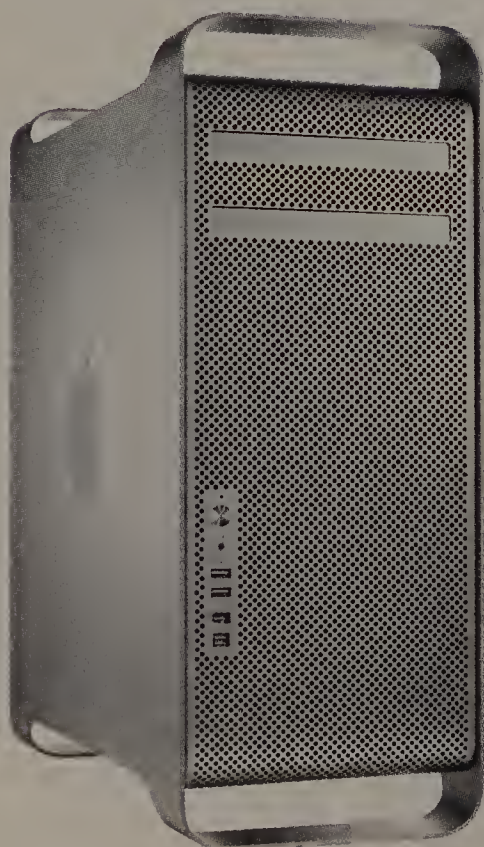
iMac

Pros: Fast; big display (on 20-inch model); roomy hard drive; elegant design; built-in iSight camera.

Cons: Not portable; doesn't allow you to do much, if any, maintenance or upgrading yourself.



While Apple recently introduced an iMac specifically for the education market (macworld.com/1570), that machine is currently available only to educational institutions. Individual buyers will still have to make do with the 17-inch 1.83GHz Intel Core Duo for \$1,299 or the 20-inch 2GHz Intel Core Duo for \$1,699 (both **★★★★**). Unlike the Mac mini, the iMac comes with a keyboard and a mouse, and either a built-in 17-inch or 20-inch monitor. iMacs also have a faster graphics processor (good for gaming), more-expansive hard drives (160GB and 250GB), and sprightlier performance. An added bonus: The 20-inch model's screen is good enough for watching movies in a small-to medium-size room (macworld.com/1180).



Mac Pro

Pros: Fast; highly expandable; easy to service.

Cons: Large; no included monitor; AirPort Express and Bluetooth are optional; no support for Front Row or the Apple Remote.

We haven't clocked a lot of hands-on time with Apple's Power Mac replacement, the Mac Pro, which was released at press time. But we like what we've seen of it. Apple is selling the Mac Pro in a single suggested configuration—with two 2.66GHz dual-core Intel Xeon "Woodcrest" processors, 1GB of RAM, a 250GB hard drive, and an Nvidia GeForce 7300 GT graphics card with 256MB of video RAM—for \$2,499. You can strip down the Mac Pro to a family-friendlier price of \$2,124 by opting for two dual-2GHz processors and a 160GB hard drive. (Or if your family is power-crazed, you could go whole-hog and get a model with two dual-3GHz processors for \$3,299). Unlike the Mac mini and the iMac, the Mac Pro is eminently upgradeable: it's built to make adding extra hard drives, optical drives, and PCI Express expansion cards easy. Beyond handling Junior's enormous Final Cut Pro projects and Mom's Aperture work, the Mac Pro has gaming prowess—a big attraction for families who love to game; whether running Mac OS or Windows, no other Mac will pump out the pixels faster.

Mac Mini

Pros: Small; inexpensive; fast enough for most work; compact; Front Row software with Apple Remote.

Cons: Limited hard-drive space; not a great gaming machine; integrated graphics reduces available RAM; memory difficult to upgrade.

The \$599 1.5GHz Intel Core Solo Mac mini and \$799 1.66GHz Intel Core Duo Mac mini (both **★★★★**) make fine primary computers for families on a budget. Thanks to their small size and low prices, they also make sense as second family computers. The mini is perfectly suited for pulling together the monthly finances, creating the annual holiday letter, surfing the Web, sending and receiving e-mail messages, and creating basic "What I Did on My Summer Vacation" multimedia presentations. But if your kids are into 3-D games, the mini's graphics won't be up to the task. And its hard drive (60GB or 80GB standard, 100GB or 120GB optional) won't accommodate massive music or movie libraries (macworld.com/1571).



Multitasking Printers

A Do-It-All All-in-One for the Whole Family

Multifunction all-in-ones, which combine a printer, scanner, copier, and fax machine in one box, are perfect for families. They'll handle all your document chores and don't take up any more space than a basic printer. Here are some of our current favorites. (All print speeds are vendor-supplied, for black-and-white pages.)

HP Photosmart 3210 All-in-One

Price: \$280

Type: Color ink-jet

Print Speed (ppm): 32

Extras: Built-in transparency adapter for scanning slides and film; built-in memory-card reader and Ethernet.

Contact: www.hp.com



Canon Pixma MP500

Price: \$200

Type: Color ink-jet

Print Speed (ppm): 29

Extras: Duplex printing; built-in memory-card reader.

Contact: www.usa.canon.com



Epson AcuLaser CX11N

Price: \$700

Type: Color laser

Print Speed (ppm): 25

Extras: Built-in Ethernet.

Contact: www.epson.com



Brother MFC-5840CN

Price: \$180

Type: Color ink-jet

Print Speed (ppm): 20

Extras: 35-page automatic document feeder; built-in Ethernet.

Contact: www.brother-usa.com

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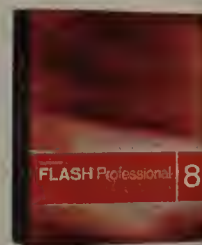
Adobe Studio 8
SRP \$999.95 **\$289⁹⁸**



Adobe Dreamweaver 8
SRP \$399 **\$199⁹⁸**



QuarkXPress 7.0
SRP \$549 **\$199⁹⁸**



Adobe Flash Pro 8
SRP \$699 **\$249⁰⁰**



Adobe Production Studio
Premium **CLICK
FOR PRICING**
SRP \$1699



Alias Maya Unlimited 8.0
Student Bundle **\$399⁹⁸**
SRP \$6999



FileMaker Pro 8.5
\$149⁹⁸
SRP \$299



Avid Xpress PRO HD
\$295⁰⁰
SRP \$1699



Microsoft Office 2004
Students/Teachers **\$79⁹⁸***
As low as



Seagate 6 GB Pocket
Drive **\$99⁹⁸**

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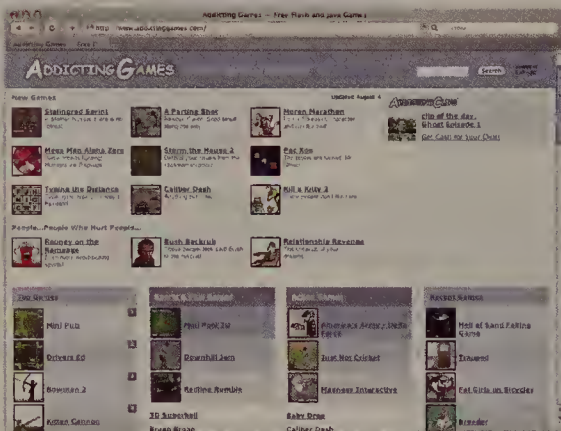
journeyEd
.com

Teen Hot Spots

Cool Web Sites for Kids, Safe for Parents

Yes, there's more to the Web than MySpace.com. Here are a few sites that'll let teens explore new online territory without keeping their parents up at night with worry.—CATHY LU

Addicting Games



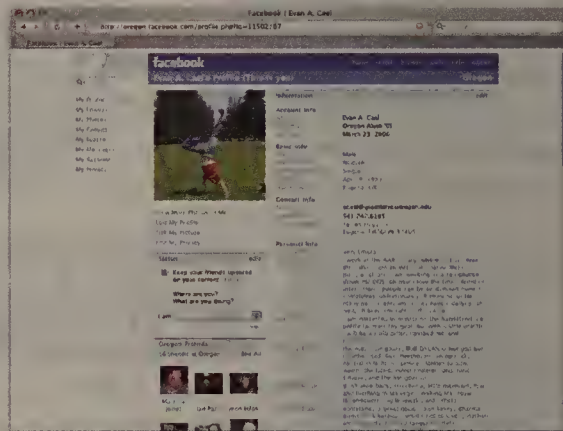
Need a break from the books? Give yourself five minutes on this site to play ping-pong, make monkeys dive off a cliff, or shoot kittens out of a cannon. You'll have to put up with some ads, as well as a few truly bad games, but that's the price you pay for free gaming (www.addictinggames.com).

Del.icio.us



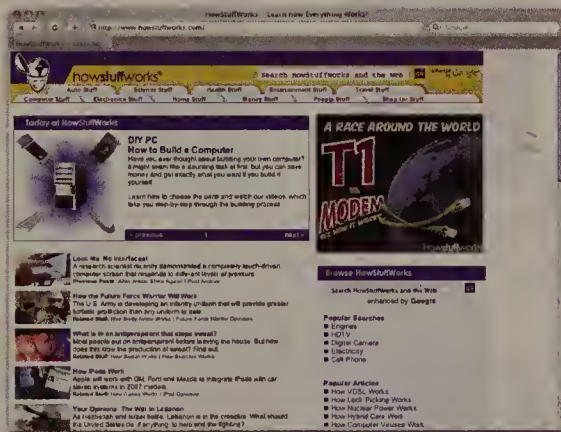
Are your bookmarks getting out of control? Del.icio.us lets you keep a collection of favorite links on a Web page that you can access from anywhere—home, school, or a friend's house. Tagging each entry allows you to filter and sort sites easily. Plus, you can see what other people who like the same stuff have tagged, and discover something new and cool (del.icio.us).

Facebook



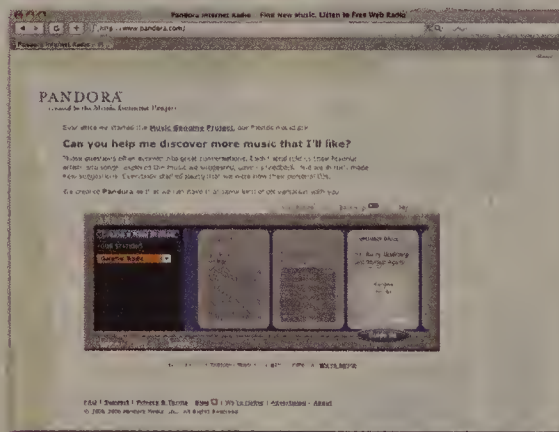
Think of it as a more intimate version of MySpace. Facebook lets you post stats, pictures, and information about your favorite music, TV shows, and movies. Friends can leave messages for you on the Wall. And the best part: it's only open to high-school and college students. To get in, you need either a .edu e-mail address or an invitation from someone within the network (www.facebook.com).

HowStuffWorks



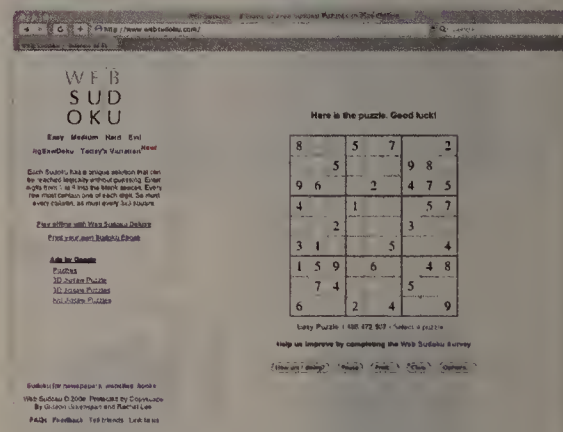
Writing a paper on hurricanes? Curious about the difference between beam, arch, and suspension bridges? No matter what the topic—UFOs, hypnosis, or microprocessors—HowStuffWorks can probably tell you what you need to know, and often more than you ever needed to know (www.howstuffworks.com).

Pandora.com



This site is like a best friend who knows you inside out. Tell Pandora your favorite song or artist, and it will set you up with a streaming radio station that it thinks you'll enjoy. Pandora uses melody, harmony, rhythm, and other song attributes to find tunes that match your tastes, with the hope of breaking you out of the musical doldrums (www.pandora.com).

Web Sudoku



Here's something that will both pass the time and help you exercise your brain. Web Sudoku offers puzzles for every level—easy, medium, hard, and evil. Plus it keeps track of how long each puzzle takes you, your average solving time, and how your speed compares to that of other solvers (www.web-sudoku.com).

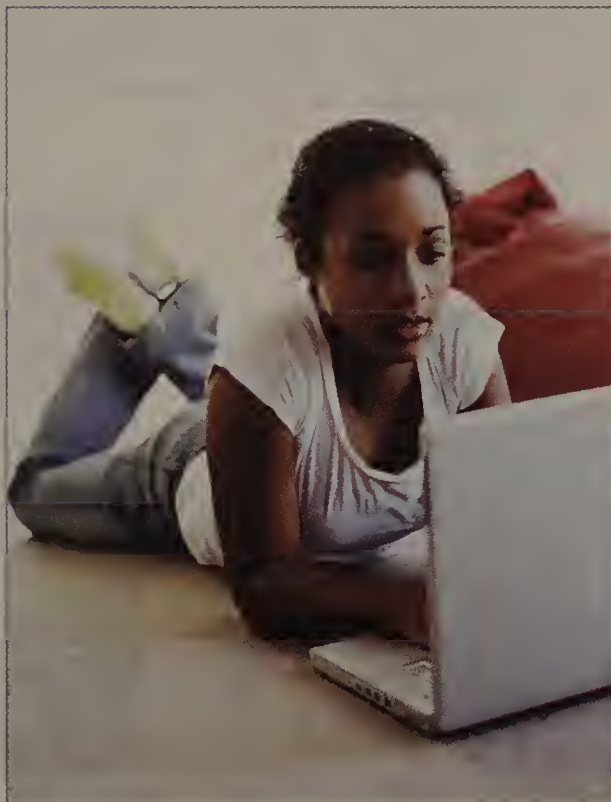
Safety Net

Online networking sites like MySpace have been getting a bad rep lately. Sure, they have their share of shady characters. But they are also online homes to millions of perfectly nice people who just want to express themselves, meet up with friends, or carve out their own piece of the Web. So how do you make sure your kids use them safely? Here are some tips from James Steyer (CEO of Common Sense Media, www.commonsensemedia.org) and Parry Aftab (executive director of wiredsafety.org).

Be Discreet Tell your kids to avoid posting any personal identifiers—addresses, birth dates, schedules, party postings, anything that lets people know where teenagers are going to be at a certain time.

Avoid Inappropriate Pictures No matter how funny those spring break or graduation party pics are, you never know when a teacher, guidance counselor, or even a college admissions officer might happen across them. Make sure all posted pictures are strictly PG.

Discuss Security Ask your kids what security settings they're using and why they chose them. For instance, MySpace users can allow only friends to view their full profile. Also, talk to your kids about whom they're allowing on their friends list and what criteria they're using.



Forbid In-Person Meetings Don't let your kids meet in person with anyone they've encountered online. It's as easy as that.

Review Pages Ask your kids to sit down with you and give you a guided tour of their personal page. Aftab recommends giving them 24 hours' notice so they can do whatever rejiggering they want to do (such as hiding personal notes from friends).

Set Age Limits Sites like MySpace require kids to be 14 years old to create a page. Take heed, and don't let your 13-year-old prematurely age himself or herself.

Report Negative Activity If something bad happens—someone suspicious contacts your kid, for example, or classmates taunt him or her—report it. Web sites wield magical banning powers.

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Break Time

Après-Homework Software and Games

Even the most studious, responsible teen has to kick back once in a while, but that doesn't have to mean a lot of mayhem and murder. Here are some games (and gaming add-ons) that'll keep them entertained without undoing all those years of careful parenting.—PETER COHEN

The Sims 2: Open for Business

The latest add-on for the enormously popular simulation game will take it in an entrepreneurial direction. When you add the Open for Business expansion pack to The Sims 2 (★★★★; macworld.com/1575), you can help your sim get a job and build a business. At press

time, Aspyr said that Open for Business should be shipping by the time you read this (www.aspyr.com).



Geneforce 4: Rebellion

Not every kid gets the latest, greatest computer hardware. Some have to suffer with hand-me-down Macs. If that's the case in your house, check out Spiderweb Software's \$28 Geneforce 4: Rebellion.

It's a classic Dungeons & Dragons-style, turn-based role-playing game that—amazingly—is downward-compatible straight to Mac OS 8.1. It also runs natively on Mac OS X, and it works well in Rosetta on Intel Macs (www.spiderwebsoftware.com).



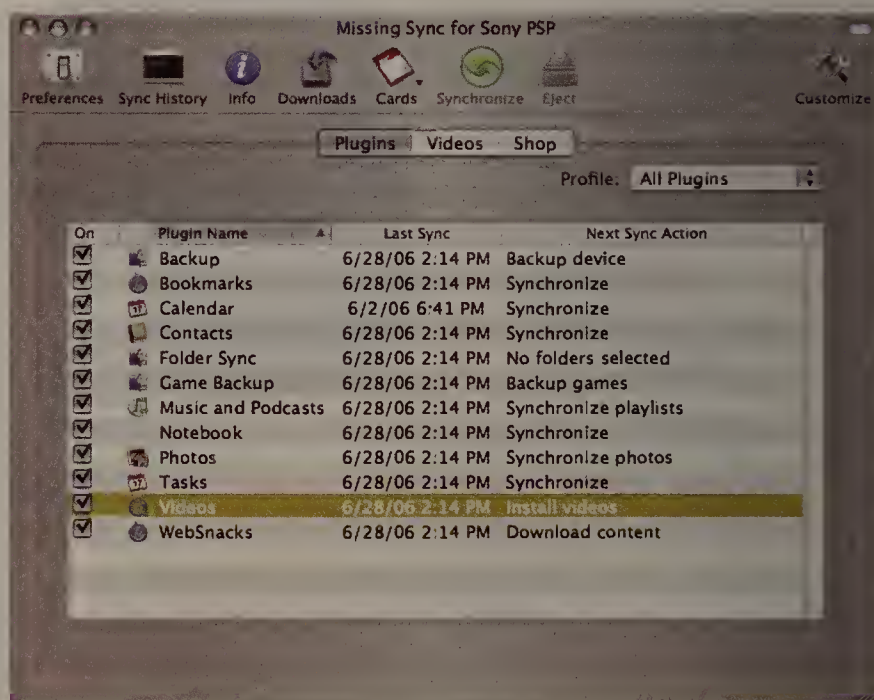
The Missing Sync for PSP

If your kid has a Sony PlayStation Portable (PSP), here's a way to make it at least a little useful. With Mark/Space's \$30 The Missing Sync for PSP and a USB cable, you can turn that PSP into a full-fledged PDA, using OS X's Sync Services to put Address Book contacts and iCal appointments (with notes) on the PSP's memory card as Web pages, which you can then view with the PSP's built-in Web browser. It'll also convert and transfer movies to the PSP, copy iTunes playlists (unprotected music only, of course), sync iPhoto albums, and back up game files (www.markspace.com).



Black & White 2

Feral Interactive's Black & White 2 has been a long time coming, but it'll be worth the wait. Announced last fall and (at press time) expected to be released any minute now, the game lets you take on the role of a god who thrives on the worship of people, using giant animals to do your will on earth. You can either rule with an iron fist, drawing power from terror and fear, or be a gentle and benevolent god, drawing energy from your believers' love and affection. The one thing you certainly can't do is ignore them, however—because they'll ignore you, and for a god, that's not good (www.feralinteractive.com).





How do you brag about a vehicle with low ego emissions? You don't.

It's been said that the Volkswagen Passat has the lowest ego emissions of any German-engineered sedan.

Which is nice. Because you get features like those found in high-ego German sedans, but without all those nasty ego emissions.

So we're not about to ruin our low-ego rating with an ad full of boastful, "high-ego" language. We'll just stick to the facts.

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V-6 that can go tire to tire with just about any of our country counterparts.

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And whether you're opening up the engine or the door the Passat makes a strong case for itself. Dual climate controls.

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Now inspect our safety features (if you like).

You'll find a laser-welded steel cage and six standard airbags, including side curtains.** It even earned a 2006 Top Safety Pick from the IIHS in the mid-size class.†

It's enough to make anyone's head restraint a couple sizes bigger.

So just how does the Volkswagen Passat do all these things yet give off far fewer ego emissions than more expensive German sedans? Well, we could take a guess.

It's a Volkswagen.



Musical Styles

The Best iPod Cases for Teens

A recent poll asked some young folks whether they'd like to sign up for a free music download service. Most just said no. The reason? Doing so would mean giving up their beloved iPods. But if there's one thing teens love more than their iPods, it's fashion. Here are a few of my favorite fashion-forward cases.—DAN FRAKES

XtremeMac Iconz for iPod Nano



XtremeMac's \$25 Iconz cases (●●●●) are rigid plastic enclosures for the iPod nano that provide full-body protection against scratches and minor bumps and shocks. But what'll really attract the kids: XtremeMac has put cartoon characters (Speed Racer, Bart Simpson, and SpongeBob Squarepants, among others) and NBA team logos and stars on the front of the cases (macworld.com/1568).

ifrogz for iPod Nano

Silicone skins for iPods are as common as pennies. What sets the ifrogz skins (●●●●) apart from the rest are their \$21 wrapz, \$6 screenz, and \$4 bandz (\$31 for the set). The wrapz are the silicon cases themselves.



The screenz are adhesive clear plastic overlays that cover the front and the Click Wheel. The bandz fit along the edge. You can order all of them in customized colors and images (macworld.com/1572).

DLO Nano Fling

I have to admit, I'm not the target demographic for this \$30 iPod nano case, with its built-in mirror and elastic loop that can hold a tube of lipstick. The DLO nano fling (●●●●) is available in a variety of eye-popping designs, textures, and hues. (I tried out a relatively sedate silver model.) As with most flip cases, you can't access the controls with the front flap closed, though the headphone jack is accessible (macworld.com/1574).



iSkin eVo3

iSkin has been making silicone iPod cases for a long time, and that experience really shows in the eVo3 (●●●●●). It offers total protection for your player and fits snugly, even around the Click Wheel. The screen protector hovers over your iPod's screen, avoiding the possibility of scratches while still providing a clear view. It may be practical, but it's not boring: the eVo3 is available in a variety of vibrant colors (macworld.com/1573).



Contour Design Showcase Video

It's not showy, but it's a nearly perfect iPod case: Contour's Design Showcase (●●●●●) has long been among my favorites, thanks to good shock and scratch protection in a design that (as the name implies) still shows off your iPod's attractive surfaces. The latest \$33 model, for the latest iPod (with video), is the best yet. It features rubber edges with clear plastic front and rear surfaces, protecting everything but the Click Wheel, but it's still thin and light (macworld.com/1357).



CHRISTOPHER BREEN, PETER COHEN, and DAN FRAKES are senior editors at *Macworld*. CATHY LU is a science and technology writer based in Seattle.

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10 Things You Need to Know about Leopard

THE NEXT VERSION OF OS X WON'T ARRIVE UNTIL SPRING 2007. BUT WE'VE GOT A SNEAK PEEK NOW.

In Mac OS X 10.3 (Panther), it was iChat AV, Exposé, and Fast User Switching. In OS X 10.4 (Tiger), it was Spotlight, Dashboard, and Automator. And in OS X 10.5 (code-named Leopard), it'll be Time Machine and Spaces. With every new version of OS X, we get a set of brand-new features and improvements to old ones—and so it will be when Apple ships Leopard, its next update to OS X, in the spring of 2007. At August's Worldwide Developers Conference (WWDC), Steve Jobs gave a sneak peek of what we have to look forward to in Leopard.

Jobs pointedly referred to some top secret stuff that he didn't want to divulge too early, lest someone (*cough*, Microsoft, *cough*) copy the ideas. But here are ten of the features he told us about—and what we think of each. As we learn more, we'll let you know via our Leopard preview page at macworld.com/1658.



Mac OS X
Leopard

#1 Time Machine: No More Excuses

APPLE SAYS THAT less than four percent of Mac users regularly back up their data. The company hopes to change that with Time Machine, a built-in backup feature that will debut in Leopard. The key to Apple's strategy: Leopard will automatically back up your files as you work, without any intervention on your part. And Time Machine will do so continuously, creating a chain of backup sets stretching back in time (hence the name).

To restore a backed-up file or folder, you'll first use the Finder to open the folder or disk where it was last stored. With that folder or disk selected, you'll then click on the Time Machine button in the Dock. Your screen will switch to Time Machine's eye-catching interface—a space scene, with stars floating by and a stack of Finder windows stretching backward in time. To find the file you want to restore, you'll either drag a timescale slider up and down until you find it or you'll click on a Fly button, which zooms through that folder's history until it finds a version that's different from the one you're looking at now. A click of the Restore button brings the lost file back to your present system.

If your hard drive crashes and you lose all your data, you can install a new drive, point Time Machine at your backup volume, and your Mac will reassemble your drive from the data on the backup volume.

Such continuous backups will require plenty of drive space. Time Machine will work with any nonbootable volume formatted in Apple's HFS Extended format. That drive can be stowed inside your Mac (in one of the new Mac Pro's four drive bays, for example), attached via a FireWire or USB cable, or mounted from somewhere else on your network. The catch is that the



entire volume must be devoted to Time Machine; you can't just stow Time Machine files inside a folder on a larger volume.

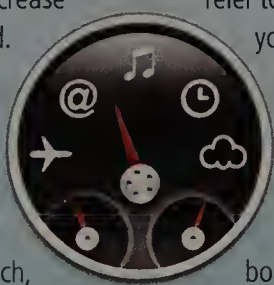
I still have several questions about how Time Machine will work. For example, if I make a tiny modification to a 1GB database file, will Time Machine write out the entire 1GB file to record that change? Also, how will Time Machine work for laptop users when they're on the road and away from external drives and network resources? Finally, how much will we be able to specify the files and folders Time Machine will back up?

Assuming such questions can be answered, Time Machine seems promising. Apple has succeeded in getting us to store more of our digital lives on its hardware. With the announcement of Time Machine, it seems that the company is reminding us just how important those digital memories are and making sure we never lose any of them.—ROB GRIFFITHS

#2 Dashboard: Roll Your Own Widgets

SINCE DASHBOARD WAS first introduced in OS X 10.4, developers have created more than 2,500 widgets for it. That number is likely to increase when Dashboard gets revised in Leopard.

For one thing, Apple will make it easy for you to create your own widgets. In Safari, you'll find a new Open Page In Dashboard button. If you're at a Web site that has information you'd like to refer to again—a favorite Web-cam view of a beach, the headlines section from your local newspaper, and so on—you click on that button. Dashboard will then open with the contents of the Web page inside



its new Web Clip widget. Resize Web Clip until it shows just that part of the Web page you want to refer to again, click on the Done button, and you've made your own custom widget.

While Web Clip will make it so you no longer have to wait for programmers to make widgets for you, those programmers are likely to keep making them, thanks to the other new Dashboard technology in Leopard: Dashcode.

This new widget-assembly tool offers an HTML, JavaScript, and CSS editor (with debuggers), as well as a library of buttons, shapes, and lines to

help with layout. Dashcode also includes templates for common widgets, including countdown timers, RSS feeds, photocasts, podcasts, and gauges.

While both Web Clip and Dashcode could dramatically increase the number of widgets out there, it'd be nice if Apple also included some better tools for managing a large library of them. If you have 30 to 40 widgets, all that horizontal scrolling and clicking on the Next button can be tedious. But overall, these changes should help make Dashboard even more popular than it is now (and maybe even convert some hold-outs).—ROB GRIFFITHS

#3 Spaces: Virtual Desktops for Everyone

BY NOW, MOST of us take it for granted that OS X lets us run a bunch of applications at once. (As I write this, I have 17 apps open, not to mention dozens of background processes.) But managing all those application windows can be a pain. Apple's solution? A new virtual desktop feature called Spaces.

Spaces will create multiple workspaces, each the same size as your current display area, into which you can open different apps. You could, say, create one virtual desktop for Web work, with iPhoto, BBEdit, and a Web browser. You could have Word and Excel open on another for working on a report, and Mail and iChat open on another for messaging. Each view would contain only the application windows that task required. If you need to run multiple operating systems via a virtualization app such as Parallels Desktop (•••••; macworld.com/1577), you could give each OS its own workspace.

There will be several ways to navigate Spaces. You'll be able to press a hot key (F8, by default) to get a birds-eye view and then mouse-click on the workspace you want, or press ⌘-arrow key (left, right, up, or down) to shift to another workspace. (Yes, you'll be able to customize keyboard shortcuts.) You'll also be able to switch to a workspace by clicking on the Dock icon of one of the apps parked in it. You'll be able to copy and paste data and drag application windows from one workspace to another.



It isn't clear whether Spaces will run on older Macs. It's also not yet clear whether Spaces will do some things—such as displaying one window in multiple workspaces or saving workspaces when you log out—that third-party virtual-desktop utilities can. If you spend most of your time doing just a few things, such as browsing the Web and reading and composing e-mail, you probably won't get

much benefit from Spaces. If you're already a fan of virtual desktops, you'll likely want more than Spaces can offer. But for the millions of people in the middle—those who use their Macs for many different tasks throughout the day and who often find themselves wishing there was a better solution to window clutter—Spaces will be, at the least, a welcome option.—DAN FRANKS

#4 iCal: A More-Social Calendar

IN HIS KEYNOTE, Jobs mentioned iCal only to say that Mail's new to-do tools will coordinate with it: create a to-do item in Mail, and it will automatically appear in iCal's task list. But the next version of iCal will, in fact, be significantly overhauled in Leopard. The biggest change we know of now is group scheduling.

Right now, if you use iCal and want to let someone else know what you're up to, you publish a calendar on .Mac or a private server. But publishing is a one-way thing: other folks can view your schedule online, as if you had tacked your calendar to your office door, but they can't interact with it.

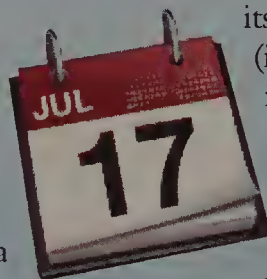
The next iCal should fix that. You'll be able to create a calendar that other iCal users can edit (great for sharing office resources such as meeting rooms). The program will also be able to check other iCal calendars and automatically schedule meetings when everyone is available.

The key to these new skills is iCal Server, which will be built into the next version of Mac OS X Server and will manage

communication and coordination among the copies of iCal running on a network. The new iCal and iCal Server both comply with the CalDAV calendaring standard, which means that iCal could, in theory, interoperate with other calendaring apps.

Still unclear is the extent to which iCal's new skills will depend on iCal Server as opposed to being available in the app itself. And right now, only a few open-source programs (including Mozilla's Lightning and Sunbird, both still in development) are CalDAV-compliant; Microsoft Entourage, Now Up-to-Date & Contact, and other popular calendaring apps haven't yet signed on, and they may never do so.

No matter, group scheduling is a must-have feature for the office, so its addition (along with tighter integration with Mail) could make iCal more attractive to business buyers; it puts the program on more-equal footing with Entourage and Now Up-to-Date & Contact. And even if you're only trying to set up a lunch with friends, a more socially savvy iCal will be welcome.—DAN MILLER



#5 Mail: More than Messages

WITH MAIL 3, the Leopard version of Apple's venerable e-mail app, Apple will attempt to make all kinds of information—not just e-mail messages—easier to manage.

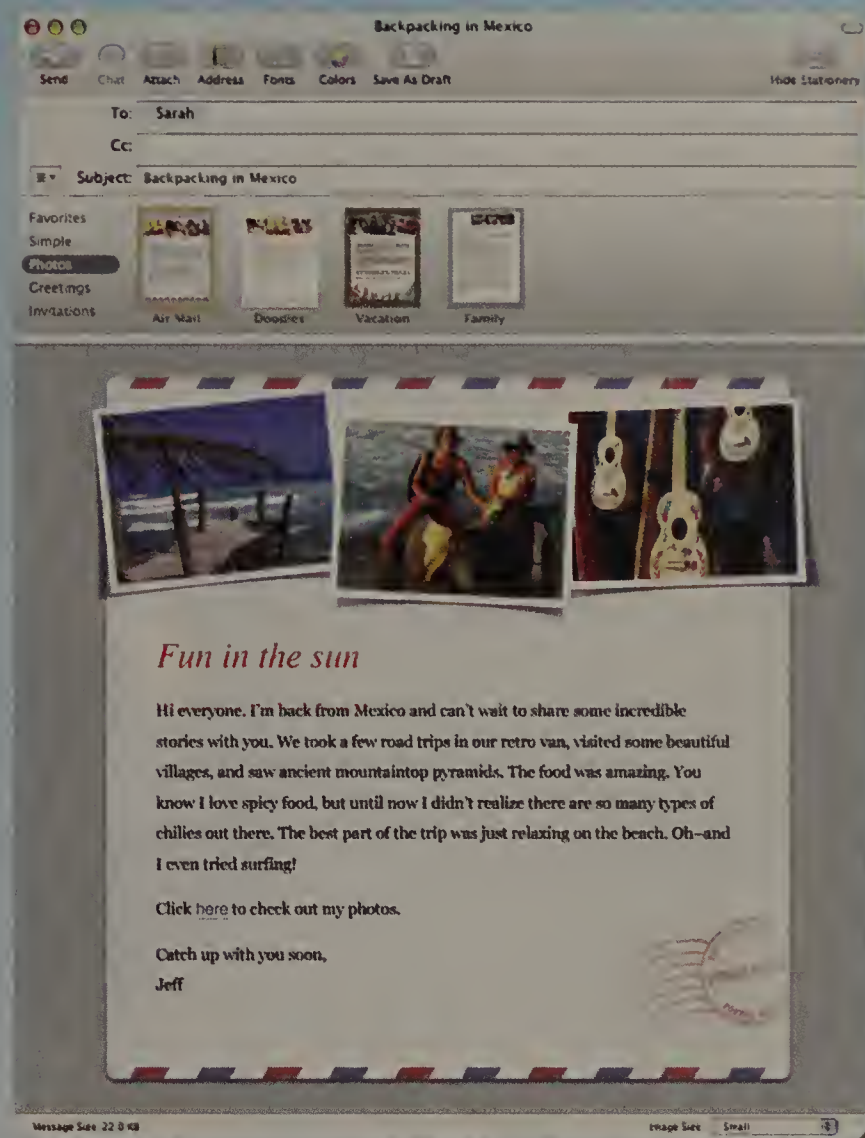
One way it will do that will be by supporting a new message type called a Note. As the name implies, Notes are essentially e-mails to yourself. They can contain graphics, colored text, and attachments, and all of them will appear in a generic Notes mailbox by default; as with any other kind of message, you'll be able to create additional mailboxes and smart mailboxes to further organize your notes.

Mail 3 will also let you turn any part of an e-mail message or note into a to-do item. You'll highlight the text you want and then click on a To Do button. You can then assign that item a due date and a priority, set up an alarm, and associate it with one of your iCal calendars. Like Notes, to-do items will appear in their own mailbox; they'll also appear in iCal's To Do pane.

Apple will also build an RSS-feed reader into Mail 3, letting you stay on top of your favorite feeds without ever leaving Mail. These feeds will collect in a new RSS mailbox, and you'll be able to create smart mailboxes that filter RSS items based on your criteria.

Mail will also let you gussy up your messages. Its new Stationery feature is essentially an easy way to create highly formatted HTML mail. Mail 3 will come with 30 stationery templates (including invitations, baby announcements, vacation updates, and so on). As in iWeb, you'll be able to quickly add photos and other graphics via a media browser.

There's no word yet on whether the application's search features have been improved, and Apple has provided little detail on the program's improved security tools beyond some new



phishing guards. Also, there's no word on whether Apple will beef up the program's rules to allow for more-complex actions (such as changing subject lines or stripping out attachments on incoming Mail), which longtime Mail users have been asking for. It'd be nice if Apple addressed these core e-mail concerns in addition to providing new embellishments.—KELLY TURNER

#6 Universal Access: Hello, Alex

IN OS X 10.4, Apple added a new element to Universal Access (its suite of utilities for users with physical impairments). When you hovered your mouse over an on-screen item—a button, a menu, an application, and so forth—VoiceOver identified it using one of OS X's robotic text-to-speech voices. The VoiceOver that will ship with OS X 10.5 is like the original version but has a dramatically improved reading voice.

The voice—dubbed “Alex”—uses punctuation in a natural-sounding way. It also prefaces new thoughts with a short breath. Both lend a nice realism to the speech. Alex will be available not only in VoiceOver, but also in any

application that uses Apple's text-to-speech capabilities—TextEdit and iChat, for example.

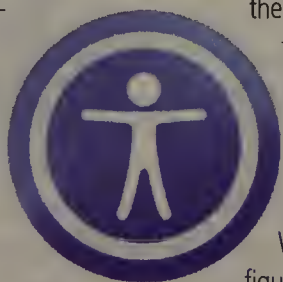
But there's more to the new version of VoiceOver than a new voice. For example, previous versions of the utility tended to offer more information than most people needed—reciting the name of an application, its window, the name of a tab within that window, and where that tab stood in the window's order of tabs. Apple's Leopard Sneak Peek Web page hints that VoiceOver will be configurable to supply more or less feedback.

That same Sneak Peek page also suggests that Mac OS will be easier to navigate thanks to VoiceOver's ability to navigate either sequentially (from the topmost button to a field on its right) or by

object (quickly dashing from one button to the next, skipping other objects in between).

Leopard's VoiceOver will also support Grade 2 contracted Braille devices. Such devices include displays that communicate through a silicone ribbon or pad that changes shape to mimic traditional Braille characters. Plug one of these devices into the USB port of a Mac running Leopard, and it should work out of the box, allowing both Braille input and output.

VoiceOver has been a great and inexpensive help for people with physical impairments; the new version looks to be a nice improvement. For everyone, no matter your physical abilities, the new voice will make listening to your Mac much nicer.—CHRISTOPHER BREEN



#7 Spotlight: Search Refined

FROM WHAT JOBS showed us at the WWDC keynote address, it appears that Apple's systemwide search tool, Spotlight, will work much the same in version 10.5 as it does now: press ⌘-spacebar and start typing, and Spotlight will offer up a list of files that match what you've typed. But some new features in Leopard, as well as changes to existing ones, could make Spotlight both easier to use and more powerful.

One big change: Currently in OS X 10.4, the Finder's Find command, though based on Spotlight technology, lets you do more-sophisticated searches than Spotlight does. You can, for example, search by more than 120 different file attributes (from Album to Year Recorded). You can also search by multiple criteria (This and That), instead of just the one search term that Spotlight allows. In Leopard, it looks as though Spotlight's search window will let you do both. It'll also let you use Boolean operators—AND, OR, and NOT—in search requests.

Of course, there's more: Application launching is going to become much more prominent in Leopard's Spotlight. (Applications will be the first matches returned from a Spotlight search; if the top hit is the app you want to launch, you'll just press return to launch it.) When-

ever you bring up the Spotlight window (⌘-option-spacebar, by default), the results list will be populated with recently used items—you won't even have to run a new search. The new Spotlight will also be able to search networked Macs and machines running OS X Server. And it'll have a Quick Look feature, which will let you preview PDFs, photos, contacts, slide shows—and probably more—without having to open the parent application.

But for many of us, the more-powerful search tools are the most interesting, though their arrival only raises more questions. Will Spotlight support phrase searches so that you can look for *some phrase* without getting documents that contain just *some* or *phrase*? Will Finder searches for file names get any easier? (Before OS X 10.4, searching by file name was fast and easy. Spotlight actually made such searches tougher.)

If, as Apple seems to believe, Spotlight is the future of searching in OS X, then the company needs to make the tool more useful. It looks as though the Leopard version of Spotlight will make some important strides in that direction. We'll have to wait for the official release of Leopard to see exactly how

far Apple has gone.—ROB GRIFFITHS



#8 64-Bit Support: Strictly High-End

FULL 64-BIT SUPPORT was the first Leopard enhancement that Steve Jobs previewed at WWDC. But even at a developers' conference, it was an odd choice, because Apple admits that such support doesn't yet make sense for most applications.

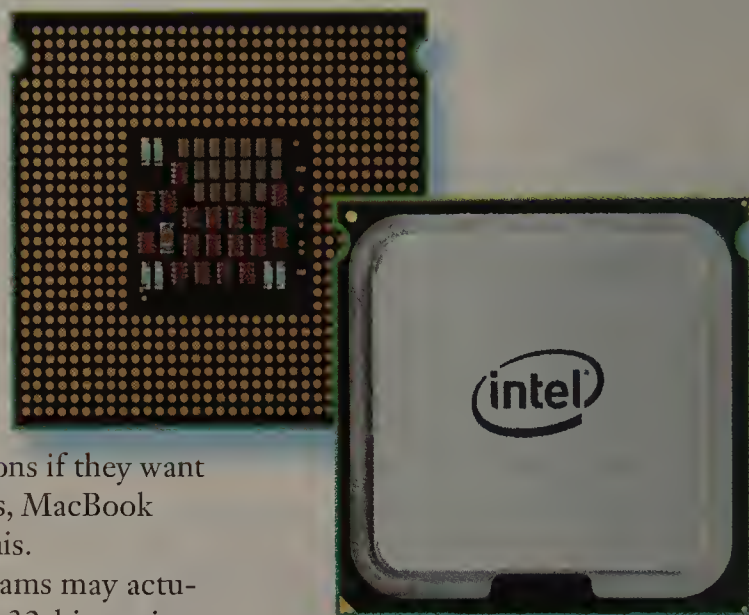
Among other things, *64-bit* means that the operating system can deal with 64 bits of data at a time, rather than the 32-bit chunks that most Mac (and Windows) applications work with now. As a consequence, it also means that the operating system can address huge amounts of memory (more than 4GB) and gigantic data sets (more than 2GB).

Leopard won't be the first Apple OS to have 64-bit support. Mac OS X 10.4 (Tiger) allows developers to create 64-bit command-line or background applications; they just can't do 64-bit apps with graphical interfaces. But with Leopard, developers will be able to build full-fledged 64-bit Mac apps.

Not that it'll be easy to do so: if developers are converting existing Mac programs, they'll have to modify and recompile every library, framework, and plug-in that their applications use, as well as the apps themselves. They'll still need to deliver 32-bit versions of their applications if they want them to run on MacBooks, MacBook Pros, iMacs, and Mac minis.

And some 64-bit programs may actually run slower than their 32-bit equivalents, particularly on G5 Macs. The problem is that 64-bit code may overcrowd a processor's L1 and L2 caches, requiring more (relatively slow) calls to memory.

Developers of programs that work with lots of data—for example, scientific computing applications, large database



and data-mining systems, large-scale CAD and CAM applications, and specialized image-processing programs—will appreciate Leopard's support for 64-bit computing. But for most Mac users—even graphics professionals and other power users—it won't make much of a difference.—HENRY NORR

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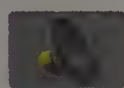
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#9 iChat: Special Effects

LEOPARD SHOULD MAKE iChat users happy by giving us a bunch of features we've been wanting. It should also make some third-party developers quite unhappy, because the changes Apple made to iChat will render several shareware and free-ware iChat add-ons redundant.

For example, like Script Software's ChatFX (♦♦♦½; *Mac Gems*, page 40), Leopard's iChat will let you insert a photo or video behind your image as a backdrop. It will also let you add Photo Booth-like distortions to your iChat image in video chats.

The next iChat will also get a tabbed interface. Just as Safari's tabbed browser interface lets you keep multiple Web pages open at the same time, iChat will let you keep multiple chats open at once, without littering your screen with a bunch of separate windows.

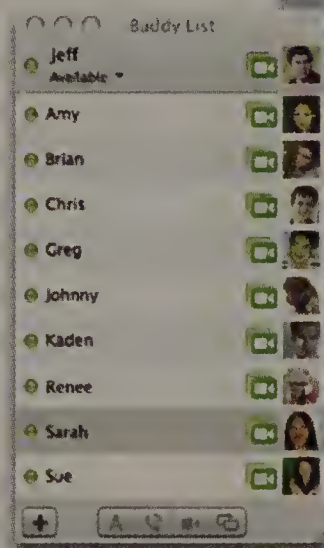
On a more practical level, the next version of iChat will let you show other iChat participants slide shows from Apple's iPhoto, iMovie, or Keynote. It'll also have Screen Sharing, so you can show chat participants whatever is on your Mac's screen and let them control it remotely. Both of these features could be hugely useful for businesses.

Also handy for businesses will be iChat's new ability to let you make recordings of your AV chats (in much the same way as you can now automatically save transcripts of your text exchanges). To save video records now, you need an app such as Ecamm Network's Conference Recorder (♦♦♦♦; macworld.com/1660).

There are still several things we don't yet know about iChat. Will its new presentation effects and

capabilities affect the number of people who can participate in audio and video chats? Will Apple increase the number of people who can participate in general? How will displaying a Keynote presentation or movie in a video chat affect performance? Will there be a performance hit if you apply video effects while participating in a multiperson video chat? There are also some features that Jobs *didn't* mention. Why not add Yahoo and Microsoft messaging support? What about improving audio quality? The current version's sound is mediocre compared with Skype and other audio-chat and VoIP services.

Still, the improvements previewed at WWDC are enough to make this the most significant upgrade to iChat yet. While it's too bad that several third-party developers will find their products less useful come spring, iChat users should applaud the additions.—DAN FRAKES



Two More Things

Here are two less crucial but mentionable Leopard features that Jobs addressed in his keynote:

Complete Package

In the past year, Apple has produced the photo effects software Photo Booth, the multimedia-management tool Front Row, and the dual-boot app Boot Camp, which lets you install and run Windows XP on an Intel-based Mac. Photo Booth has so far been available only on Macs equipped with iSight cameras. Front Row has been limited to Intel-based Macs and the iMac G5s released last fall. And Boot Camp is a beta program that you've had to download and install yourself. Starting with Leopard, all three of those programs will be included with OS X in a bundle Jobs called Complete Package and will be freely available to all Mac users.

Parental Controls

OS X currently offers some modest controls (via the Accounts preference pane) that let parents place limits on which apps their kids' accounts can run. In Leopard, promised enhancements include more flexibility, the ability to restrict Internet use, and the power to specify when and how long kids can use certain applications. Apple also promises a remote setup feature that lets parents set controls from anywhere.—PHILIP MICHAELS

#10 Core Animation: Fancier Apps

OS X'S CORE technologies—Core Audio, Core Graphics, Core Image, and Core Video—give software developers basic frameworks for adding special features to their apps—features they'd otherwise have to build from scratch.

In OS X 10.5, Apple plans to add another Core item to the list—Core Animation, which will make it easier for developers to add sophisticated 3-D animation to their apps. Instead of moving interface elements frame by frame, developers will be able to just define start and end points, keyframes, and transitions (fade in, reveal, and push, for example) for those elements, and Core Animation will take care of the rest.

The nice part for programmers is that Core Animation will allow them to create fancy effects with much less code. That'll mean fancier interfaces for you and me (assuming that you have a Core Image-ready Mac). For example, Apple is using Core Animation to create the animated space interface for Time Machine and the quickly moving virtual screens in Spaces.—JONATHAN SEFF

Senior Editor CHRISTOPHER BREEN writes *Macworld's* Mac 911 column. Senior Editor DAN FRAKES writes our *Mac Gems* column. Senior Editor ROB GRIFFITHS runs the Mac OS X Hints Web site. PHILIP MICHAELS is the executive editor of *Macworld.com*. DAN MILLER is the executive editor of *Macworld*. KELLY TURNER is *Macworld's* senior features editor.

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59 WAYS TO USE YOUR APPLICATIONS
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Your Mac's Secrets Revealed!

ILLUSTRATIONS BY JACK GALLAGHER

We all seek our own holy grail of computing—a feature or shortcut that would make our lives so much easier, if only we knew where to find it. Well, now you can stop the endless searching in menus, help folders, and Web pages. *Macworld's* band of intrepid explorers has discovered the best tips for everything from making your Web surfing more efficient to bending Microsoft Word to your will. Venture inside for all the overlooked features, hidden shortcuts, and clever work-arounds you've been looking for.



SURF SMARTER
PAGE 66



TAME E-MAIL
PAGE 68



RULE THE OFFICE
PAGE 70



GET CREATIVE
PAGE 72





Surf Smarter

15 Ways to Quickly Find What You Want Online

1 Forget `http://www.` and `.com`

Don't waste time typing when you don't have to—all **Mac Web browsers** (except America Online's Netscape) automatically fill in some missing parts of URLs. For instance, if you want to visit `http://www.apple.com/`, just type `apple` in your browser's address field—the browser will add the `http://www.` and `.com` bits automatically. In browsers other than Netscape and Mozilla Firefox, you can even navigate directly to sub-pages using this trick—for instance, to visit Apple's main support page, type `apple/support`.—ADAM C. ENGST

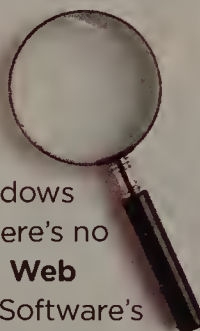
2 Drag It to the Web

Need to use something other than your default browser to check out a Web page? Want to open a page, but its address is in an application that doesn't launch a browser when you double-click on a URL? There's no need to cut and paste. You

can select a URL in most applications and drag it straight to the window of **any Mac Web browser** to open it (see "Open Up"). You can also drag the URL to a browser's Dock icon.—ACE

3 Stop Squinting at Tiny Text

Many Web sites designed to display in Internet Explorer for Windows use tiny font sizes, but there's no need to squint. In **all Mac Web browsers** (except Opera Software's Opera), you can press `⌘=` (equal sign) to increase the text size. If the text gets too big, press `⌘-` (hyphen) to shrink it again.—ACE



4 Cut Clutter with Tabs

One of the most fundamentally useful features in Apple's **Safari** isn't turned on by default. Tabbed browsing lets you load new Web pages into individual tabs within one window. This means that you can easily switch

between sites without getting lost in a clutter of open windows. To turn on this feature, select Safari: Preferences, click on the Tabs button, and choose the Enable Tabbed Browsing option. Now `⌘-click` on links to open them in new tabs, which you can view at your leisure.—ACE

5 Hop between Tabs

With keyboard shortcuts, you can move quickly between your Web browser's tabs. In **Safari**, use `⌘-shift-right arrow` or `-left arrow`; in **Firefox** use `⌘-option-right arrow` or `-left arrow`. If neither shortcut works in your browser, check the browser's help pages to see what it uses.—ACE

6 Close Tabs Quickly

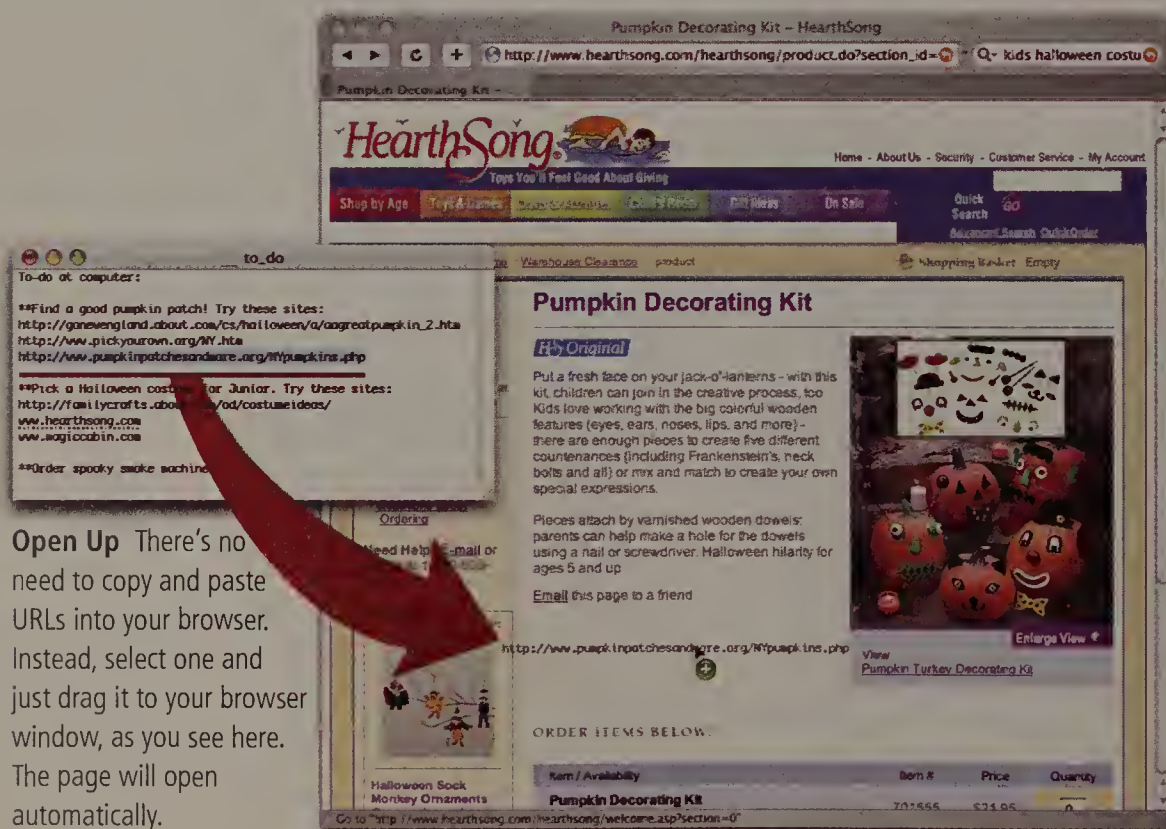
If you've ended up with too many open tabs in **Safari**, quickly close all but the current one by pressing `⌘-option-W`.—ACE

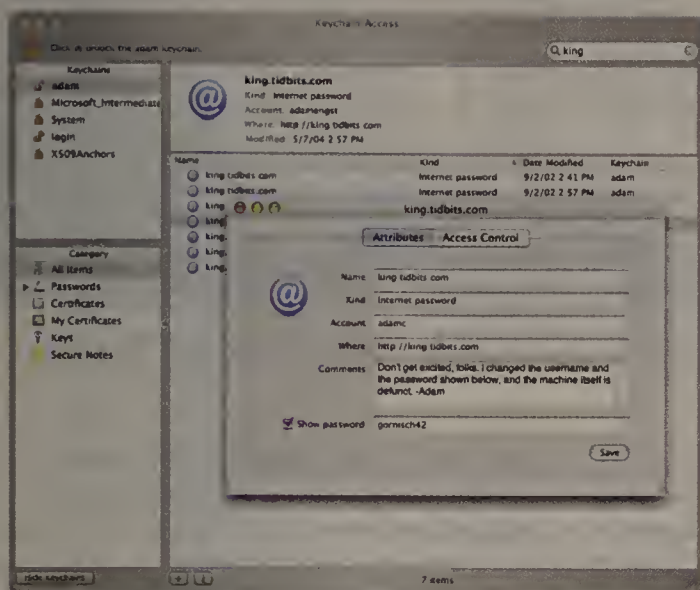
7 View Photocasts in Safari

If you don't want to clutter Apple's iPhoto 6 with a photocast, or if you just prefer to look at pictures on a scrolling page in **Safari 2.0.3**, force Safari to display the photocast rather than handing it off. Paste the photocast's URL into Safari's address field, but before pressing return, change `http` to `feed`. (This works only if you haven't made another RSS program your default reader.)—ACE

8 Find Your Passwords

From filling in your name and address to remembering your Amazon.com password, Safari's AutoFill feature works pretty well. (Go to Safari: Preferences and click on AutoFill.) Occasionally, though, you might need to fill in a password yourself or give one to another person. If you can't recall the magic





What's the Password? If you've forgotten one of the passwords that Safari usually fills in automatically for you, use Keychain Access (/Applications/Utilities) to look it up.

word, don't worry—that's what **Key-chain Access** (/Applications/Utilities) is for. Launch this utility and then use its search field to home in on a desired site (or server). Double-click on an entry to open it. In the Attributes tab, select the Show Password option and enter your administrator password. Your password for the site will appear (see "What's the Password?").—ACE

9 Find Firefox Shortcuts Firefox has oodles of keyboard shortcuts you can use to make your surfing faster and more efficient. My favorite is option-home, which instantly opens your home page. For a complete list, check out macworld.com/0792.—ACE

10 Sync Your Bookmarks Tired of having two different sets of **Safari** bookmarks—one on your iMac and one on your MacBook Pro? If you have a .Mac account, you can automatically synchronize your Macs' bookmarks on a regular basis. To turn this feature on, go to Safari: Preferences, click on Bookmarks, and select Synchronize Bookmarks With Other Computers Using .Mac—on both machines. (Bonus tip: Check out the .Mac preference pane, and you'll see that you can also synchronize calendars, contacts, keychains, accounts in Apple's Mail, and more.)—ACE



11 See More Search Results

If **Google** doesn't find what you want in its first ten results, you have to click through multiple results pages, which can be tedious. But you can get more results per page by visiting www.google.com, clicking on the Preferences link, and choosing a larger number from the Number Of Results pop-up menu.—ACE

12 Go Beyond Dictionary

When Dictionary can't help you understand the definition of a word that boggles you, try **OneLook** (www.onelook.com) instead. Type a word into this site's search field, and OneLook looks for it in the online versions of more than 900 dictionaries and reference sources, including the reliable Merriam-Webster OnLine dictionary and Compact Oxford English Dictionary.—CHARLES PURDY



13 Launch Your Searches Most Web browsers make it easy to search Google right from a toolbar, but few simplify searching another Web site that you might refer to often, such as Amazon.com or Wikipedia. For that, you need a *launcher*, such as Objective Development's \$20 **LaunchBar** (★★★★; macworld.com/1010), Peter Maurer's free **Butler** (★★★★; macworld.com/1246), and Blacktree's free **Quicksilver** (★★★★; macworld.com/1247).

You can use a launcher to start a search without switching to your Web browser or even touching the mouse. To search Wikipedia for information about Pluto, for instance, invoke LaunchBar (with a keyboard shortcut you've set). Then press W to access the Wikipedia search template. (The first time you access a search template, you may need to select it from a pop-up list. From then on, LaunchBar will associate the letter with that site.) Press

HIDDEN HELPER

15 Shrink PDFs with Preview

Some PDF files—particularly those with graphics—can be too big to send via e-mail or download over a dial-up connection. Sure, you can buy a tool that shrinks PDFs, but **Preview 3** may be all you need. Open a PDF in Preview and choose File: Save As. In the Save dialog box, give the file a new name. Then choose Reduce File Size from the Quartz Filter pop-up menu and click on Save. When I exported a photo-heavy calendar as a PDF file from iPhoto, Preview reduced its size from 10.4MB to an e-mail-friendly 828K. Some caveats: Reduced files won't display or print as clearly as the originals, bookmarks are lost, and PDFs that have *already* been optimized or that are quite small may grow in size. But Preview makes tasks such as slimming an iPhoto book layout before sending it to a relative easy and free.—ADAM C. ENGST



the spacebar to tell LaunchBar that the next keystrokes will be a search term, and then type pluto.—ACE

14 Keep Your Receipts

The next time you buy something online, don't bother to jot down the confirmation number on an easy-to-lose sticky note. If you're using **OS X 10.4**, press ⌘-P when the site displays the receipt. In the Print dialog box that appears, click on PDF and select Save PDF To Web Receipts Folder from the drop-down menu. OS X creates a PDF of your receipt and saves it in your user folder/Documents/Web Receipts.—JOE KISSELL



Tame E-mail

15 Ways to Master Your Inbox and Eliminate Spam

16 Never Forget an Attachment

Tired of clicking on Send only to realize moments later that you forgot to attach a file to that e-mail message? You need Attachment Scanner (macworld.com/1598), James Eagan's free plug-in for **Mail 2.0**. The plug-in scans outgoing messages for words, such as *attached* and *attaching*, that suggest you might have intended to enclose something. If the message has no attachments, an alert appears when you click on Send.—JK



17 Check for Overstuffed Accounts

There's no need to miss messages because you've unknowingly reached your ISP's e-mail quota. In **Mail 2.0**, you can check to see how close you are to reaching the storage limit and which mailboxes may need pruning. Press ⌘-I to display the Account Info window, and choose your account from the Account pop-up menu at the top. For IMAP, .Mac, and Exchange accounts, the window will list current usage and account capacity (if applic-

able), as well as the mailboxes in that account, the number of messages the mailboxes contain, and their total size. For POP accounts, the window will show how many messages are on the server and their sizes.—JK

18 Quickly Copy Multiple Attachments

With **Mail 2.0**, you can quickly copy multiple attachments from a message onto your desktop or into another folder. First make sure that individual attachments aren't showing in the header; if they are, click on the disclosure triangle next to the header's paper-clip icon to collapse the display. Then just click and drag the paper-clip icon to the desired location (see "Clip and Drag").—JK

19 Retrieve Missing Quote

If you begin composing a new message in **Mail 2.0** and then realize that you meant to quote part of another message, you don't have to open a new window, copy, switch back, and paste. Instead, select the message you want to quote, return to your new message window, and choose Edit: Append Selected Messages (or press ⌘-option-I). The quoted message (including any attachments) will appear at the bottom of the new message.—JK

20 PDFs—Pronto!

Need to e-mail someone a PDF of the document you're working on? Here's the fast way. Open the document and press ⌘-P. In the Print dialog box that appears, click on PDF and select Mail PDF from the drop-down

menu. OS X will create a PDF and attach it to a new outgoing message in **Mail**.—JK

21 Take the Larger View

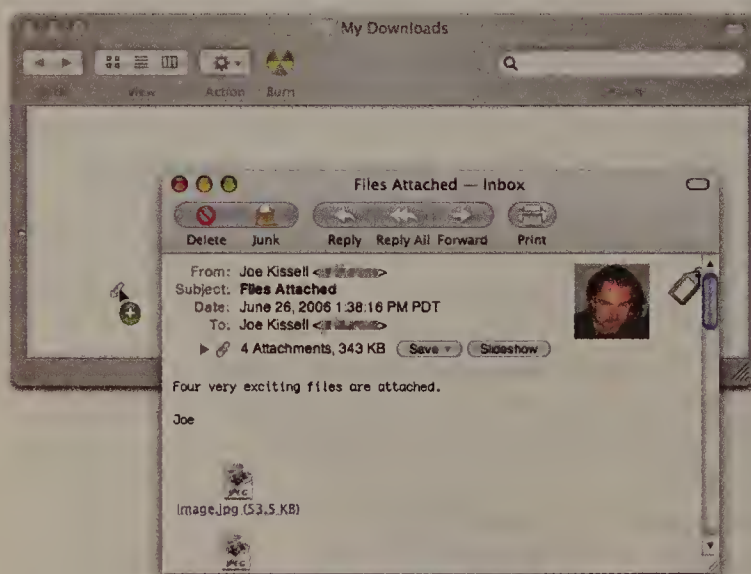
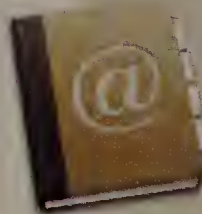
In **Mail**, you're not limited to one window for displaying your mailboxes and message lists. Choose File: New Viewer Window to open an additional window (or more than one). Multiple viewer windows let you see different accounts, sorting orders, column arrangements, or views at the same time, without a lot of tedious clicking and rearranging.—JK

HIDDEN HELPER

29 Easy .Mac Access with Address Book

Chances are, more than a few of your contacts have .Mac addresses. Care to peruse the goodies they've put in their public iDisk folders? **Address Book** makes it easy. Create a smart group with the condition Email

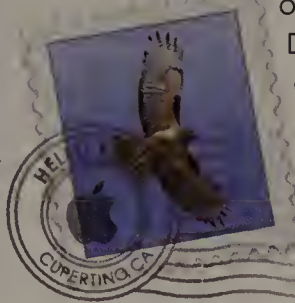
Contains @mac.com. All your **Address Book** contacts with .Mac addresses will now appear in the group. Control-click on the address next to an entry—the Home address, for example—and choose **Open iDisk**. In moments, that person's iDisk Public folder will mount on your Mac. Explore and download what you like.—CHRISTOPHER BREEN



Clip and Drag If you use Apple's Mail, there's a fast way to save all of a message's attachments at once. Just drag the paper-clip icon in the message header to your desktop or to another folder.

22 Hang Up on Hung-Up Mail

Mail sometimes gets hung up in the process of sending mail, receiving it, synchronizing, or performing other background activities. If the program seems slow, you don't necessarily need to quit Mail altogether. Choose Window: Activity Viewer to display a list of all the tasks Mail is performing. Click on the Stop icon next to any task to cancel it.—JK



23 Full-Service Mail

Most people overlook the time-saving tools tucked into their programs' Services menu (*application name*: Services). If you use Apple's **Mail** or Bare Bones Software's **Mailsmith 2.0**, you can use the Services menu to make e-mailing easier. For example, select some text on a Web page and choose Services: Mail: Send Selection (or Services: Mailsmith: Send Selection) to create a new message containing the selected text. Select an e-mail address and choose Services: Mail: Send To (or Mailsmith: Send To) to create a new message with the selected address in the To field. (Some apps, including those in Microsoft's Office 2004 suite, don't support services.)—JK

24 Focus on What's New

Hide older messages in any Microsoft **Entourage 2004** mail folder by choosing View: Unread Only, or pressing ⌘-shift-O. Only unread messages will remain visible. Repeat the process to make all your messages visible again.—TOM NEGRINO

25 Set Your Entourage Data Free

If you use **Entourage 2004** on more than one Mac, syncing all your messages and settings over a network can be tedious (see "Keeping Your Macs in Sync" at macworld.com/1599). Instead, back up your Microsoft User Data folder (in your *user folder/Documents*); then copy it to a USB flash drive. Now delete the original and, in your Documents folder, create an alias to the folder on the external drive (by selecting the folder

in the Finder and then pressing ⌘-option while dragging it to the Documents folder). Do the same on your second Mac. Now all your Office apps on both machines will use the external drive to store their data. (Be sure to quit all Office applications before unmounting the drive. And don't forget to back up!)—JK

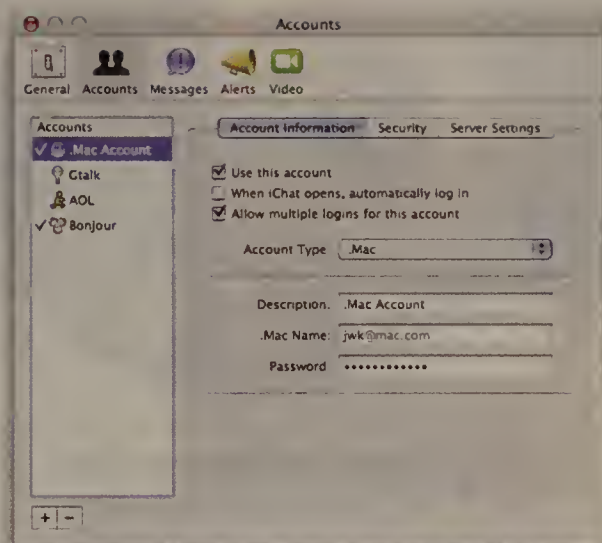
26 Deploy Improved Spam Shields!

Entourage 2004's Junk Mail Filter is decent, but it doesn't catch everything. And wily spammers come up with new tricks faster than Microsoft updates software. For better protection, consider investing in Michael Tsai's \$25 Spam-Sieve 2.4.4 (macworld.com/1600). Train this utility to sort through your mail by showing it *actual* spam and good mail. The extremely accurate SpamSieve works with Entourage to identify the spam as it arrives and shunt it to Entourage's Junk E-mail folder.—TN



27 Many Macs, One iChat Account

You might use two Macs, but you'd probably prefer to use one chat account. It's possible to set up both computers to use the same AOL Instant Messenger (AIM) or .Mac account in Apple's **iChat AV** at the *same time*. Start up iChat on the first computer and take your AIM account offline (iChat: Log Out Of AIM). Then



Take Two Use more than one Mac at a time? Select this option to make incoming iChat messages appear on *both* screens at the same time.

choose iChat: Preferences, click on the Accounts button in the toolbar, and select your account. Select the Allow Multiple Logins For This Account option (see "Take Two"). Now repeat the procedure on the second computer. Incoming messages will appear on both screens at the same time.—JK

28 One-Way Video Chats

If you have an iSight camera and your friend doesn't, you can still use **iChat AV** to have a one-way video chat. Your friend will see your picture and, as long he or she has a microphone, you'll both hear each other. (No microphone? No problem. Your friend can type responses.) Select the other person's name in the Buddy List (Window: Buddy List) and choose Buddies: Invite To One-Way Video Chat.—JK

30 Learn to Speed-Read

Plow through your incoming mail faster by learning **Entourage 2004**'s most important message-reading shortcut keys.—TOM NEGRINO

ENTOURAGE SHORTCUT

WHAT IT DOES

⌘-[	Displays the previous message. ^A
⌘-]	Displays the next message. ^A
control-[	Displays the previous unread message. ^A
control-]	Displays the next unread message. ^A
spacebar	Scrolls down one screen of text, or displays the next unread message if you are at the end of the current message.
shift-spacebar	Scrolls up one screen of text.

^A Add the option key to this keyboard combination to delete the current message and *then* perform the action.

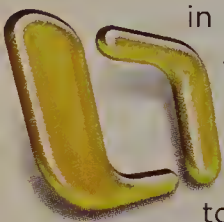


Rule the Office

15 Ways to Impress Your Colleagues

31 Share and Share Alike

Need to use the same logo in documents and presentations? Store frequently used text or images in Microsoft **Office 2004's**



Scrapbook. In Word or Excel, select View: Toolbox; then click on the icon at the top left of the palette to reveal the Scrapbook.

In Entourage or PowerPoint, select Tools: Scrapbook. Add something to the Scrapbook by selecting a bit of text or an image in a document and then clicking on Add in the Scrapbook palette. To paste an item into any Office document, select it in the Scrapbook and click on Paste.—KIRK McELHEARN

32 Make Pasted Text Match



When you paste text from Web pages into Word, you'd probably like the pasted text to match the text in your document. In **Word X**, select Edit: Paste Special, select Unformatted Text, and click on OK. This pastes the text without any formatting; it should pick up the formatting of the location where you pasted it. If you use **Word 2004**, paste the text and then click on the Paste Options button that appears below the pasted text (it looks like a clipboard). Select Match Destination Formatting in the resulting menu.—KM

33 Save Document Images

If your **Word 2004** documents contain graphics that you want to use elsewhere, you can drag the images to the desktop or to a folder, but they're saved as picture clippings, which aren't easy to share. Instead, just control-click on an image in a

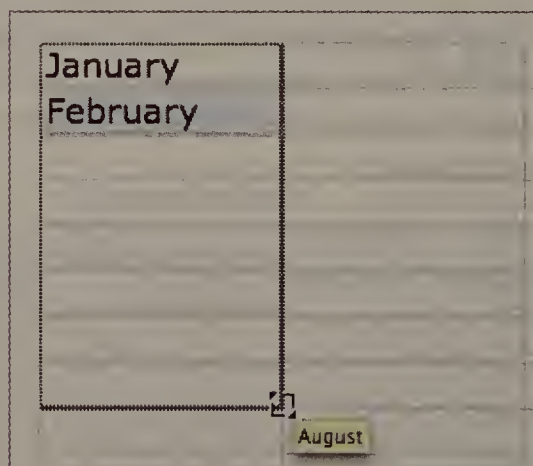
document, select Save As Picture from the contextual menu, and choose a file format from the Format menu.—KM

34 Let Excel Do the Work

Instead of entering a list of standard data in **Excel**, let the Auto-Fill feature fill in the blanks. Type the first couple of entries in contiguous cells—for example, January and February. Select the cells you've filled; then click and move the cursor to the bottom right of the selection. When the cursor becomes a handle, drag down (or across). Tooltips display the next entries for the series. When you've reached the end, release the mouse button, and the cells will fill (see "No-Sweat Data Entry"). Try this with more-complicated patterns, too.—KM

35 Use Office Equations in Keynote 3

Want to include complex equations in your Apple **Keynote 3** presentation? If you own Office, get a helping hand from the Microsoft Equation Editor (one of Office's installation options). Open Word, choose Insert: Object;

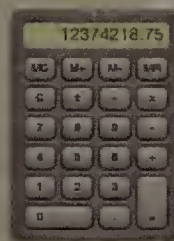


No-Sweat Data Entry There's no need to type out a standard data series in Excel. Just type the first couple of entries, select, and drag—Excel is smart enough to fill in the rest of the series.

HIDDEN HELPER

44 Sum It Up with Calculator

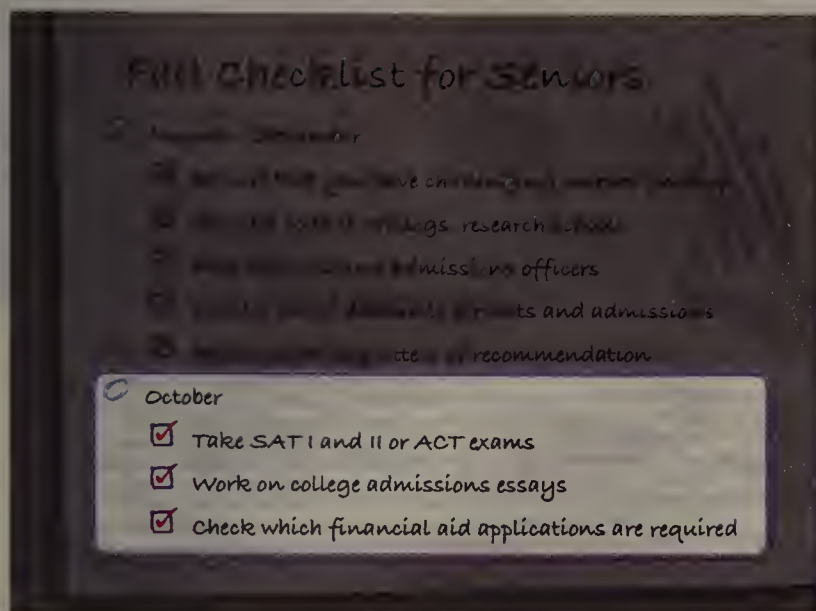
Whether you're performing complex equations or tallying up the profits from your latest bake sale, don't forget **Calculator (/Applications)**. Its **Paper Tape window (View: Show Paper Tape)** displays a running summary of your calculations, but it can do much more than that. Say you've just made a calculation, and you want to redo it with different data. Click in the paper tape, change any of the numbers, and click on **Recalculate Totals**. When you type directly in the paper tape, use the usual operators (+, -, *, and /), as well as parentheses.—KIRK McELHEARN



then choose Microsoft Equation from the resulting dialog box. The Equation Editor will open. Type your equation into it, using the editor's tools to add plenty of equation-y goodness. Then select the equation and copy and paste it into a Keynote slide. It appears as a resizeable graphic.—TN

36 Dazzle 'em

The traditional laser pointer pales in comparison to The Omni Group's **OmniDazzle** (\$15; macworld.com/1602), which lets you zoom in on, highlight, and annotate your screen during your **PowerPoint 2004**



Focus In Expand your presentation powers by pairing The Omni Group's OmniDazzle with PowerPoint or Keynote. This utility lets you underscore your points by highlighting a part of the screen and dimming the rest.

or **Keynote 3** presentations (see "Focus In"). To enable OmniDazzle in Keynote 3 or later, open Keynote's Slideshow preference pane, and select *both* the Allow Exposé, Dashboard And Others To Use Screen option and the Show Pointer When The Mouse Moves option. See OmniDazzle's hardware requirements at macworld.com/1603.—TN

37 Hide Keynote's Movie Controls

When there's a QuickTime movie on a **Keynote 3** slide, the movie controller appears when you move your mouse. That's handy if you need to pause the movie, but it can also be distracting. To prevent the controller from appearing, make a copy of the current master slide and place the movie on the *master slide*, rather than on a regular slide. You can still control the movie from the keyboard. Press J to rewind, L to fast-forward, and K to play or pause.—TN

38 Go beyond Bullet Points

The best PowerPoint presentation I've ever seen didn't contain a single bullet point. It was given by Scott McCloud, who wrote *Understanding Comics* (Perennial Currents, 1994). This brilliant book will help you understand all forms of visual communication, including **PowerPoint** and **Keynote**—and it's written mostly

as a comic book! Trust me on this one. I'm also a fan of the Beyond Bullets Weblog (www.beyondbullets.com), by Cliff Atkinson.—TN

39 Use Multiple Inspectors at Once

If you work with Apple's **Pages** or **Keynote**, you know how important the Inspector palettes are—they give you access to settings

for text, images, layouts, charts, and more. If you click on the Inspector button in the programs' toolbars, however, only one Inspector window appears or disappears. To open multiple Inspector palettes choose View: New Inspector as many times as necessary.—KM

40 Control Pages' Template Chooser

By default, **Pages 2** displays the Template Chooser dialog box when you open the program, or when you create a new document (File: New). Using the program's preferences (Pages: Preferences), you can make the program always use the Blank template (or another template if you prefer). When you want to see the Template Chooser dialog box again,

45 Control the Flow

In **Keynote 3** or **PowerPoint 2004**, it's usually better to control the show's progress from the keyboard than to fool with a mouse or trackpad. Here are the programs' most useful shortcuts.—TOM NEGRINO

POWERPOINT 2004 SHORTCUT	KEYNOTE 3 SHORTCUT	WHAT IT DOES
B or period (.)	B	Shows a black screen.
W or comma (,)	W	Shows a white screen.
N, return, page down, right arrow, down arrow, or spacebar	N, return, page down, right arrow, down arrow, or spacebar	Moves to the next slide or the next animation within the slide.
slide number-return	slide number-return	Jumps to a slide number.
escape or ⌘-period (.)	escape, Q, or period (.)	Ends the presentation.

hold down the option key when you select File: New.—KM

41 Count 'em Up

If you're disappointed that Apple's **TextEdit** can't give you a word count for the document you're writing, Paul Gorman's free Nano-Count (macworld.com/1604) will improve your mood. This little program counts the number of words in the active TextEdit document (in Mac OS X 10.2 or later), updating the word count at the frequency you choose. (Just what you need for National Novel Writing Month [www.nanowrimo.org] in November!)—KM

42 Fix Missing PDF Links in Preview

If a PDF's hot links don't work in **Preview**, make sure you have the Scroll tool selected. Choose Tools: Scroll Tool, press ⌘-I, or click on the Move Tool in the toolbar.—ACE

43 Fax Faster

The quick way to send a document by fax in **OS X 10.4** is to press ⌘-P, click on PDF, and select Fax PDF from the drop-down menu. OS X creates a PDF of your document and then sends it as a fax, using your Mac's built-in modem. If you don't have a built-in modem, sign up for an e-mail-to-fax gateway service, such as the \$15-per-month jConnect Premier (www.j2.com). The service's free software adds a Fax With J2 Messenger command to the PDF menu.—JK



Get Creative

14 Ways to Release Your Inner Artist

46 Presto Change-o iPhoto Sorting

When you need to sort loads of photos, **iPhoto 6** has two tools that can get the job done together: smart albums and the Batch Change command. To gather all your summer pictures, for example, first create a smart album (File: New Smart Album) with the condition Date Is In The Range 6/1/06 To 9/1/06. Give it the name Summer 2006. Repeat the process to create additional smart albums for other summers. Then select all the photos in each summer album, choose Photos: Batch Change, and set Comments to Summer. Now create yet another smart album with the conditions Comments Contains Summer. Peer inside this album to see *all* your summer photos.—CHRISTOPHER BREEN



47 Presentations on the Cheap

Even if you don't own a full-blown presentation application, such as Keynote or PowerPoint, you may need one from time to time. Rather than pungle up for such a program, prepare your slides in an application you own—such as TextEdit or AppleWorks. Save the slides as graphics files, import them into any version of **iPhoto** (File: Import To Library), and put them all in an album (File: New Album). Use iPhoto's slide-show tools to create a simple presentation.—CB

48 Zoom and Grab

In **iPhoto 6**'s Slideshow mode, the Zoom control at the bottom of the window and the Grab cursor that appears when you place your cursor in iPhoto's image-viewing area aren't just decorative. Any adjust-

ments you make with these tools apply to the images when they appear in the slide show. Have a few smaller images that include black bars on the side? Zoom in and position them so they fill up the entire screen during the slide show.—CB

49 Save Your Slide-Show Settings

If you intend to show **iPhoto 6** slide shows only on your Mac's display, it's easy to set things up just the way you like. First, select an album (or pictures within an album) and press the Play button at the bottom of the iPhoto window. This produces the Slideshow Settings window, where you can shut off the obnoxious Ken Burns effect and choose the slide show's transition and music. Click on the Save Settings button. The next time you view a slide show, hold down the option key as you click on play. The slide show will play immediately, using the settings you saved.—CB

50 A Big Batch of Effects

A great way to save time in Apple's **iMovie HD 6** is to select similar clips and apply the same effect to all of them—you could apply a Brightness & Contrast video effect to all the clips of your kid riding a surfboard, for example. Just control-click on one of the clips and choose Select Similar Clips from the contextual menu (see "Clip Job"). Any effect you choose will be applied to all selected clips. (This command will sometimes select clips you don't want selected.)—CB

51 Select All Your Clips

Some people find it frustrating that pressing ⌘-A doesn't select everything in iMovie's timeline—it selects only video clips. To select all audio or clips in **iMovie HD 6** you must be in their timeline track. Click on an audio track, for example, and choose Edit: Select All (⌘-A). You can also select all video clips by control-clicking on an empty area of an audio track and choosing Select All from the contextual menu.—CB

52 Better iWeb Searching

Apple's **iWeb** lets you place a search field in your site so viewers can search your content. (Select a blog or podcast page, reveal iWeb's Inspector window, click on the Blog & Podcast Inspector button, and enable the Display Search Field option.) But these searching capabilities are limited. To give your viewers a more thorough option, add a Google Free Site Search button to your iWeb site. You can obtain the code, as well as directions for adding it to your page, at macworld.com/1605.—CB



Clip Job iMovie's Select Similar Clips command is the first step in applying one effect to multiple clips.

53 Better iWeb Counting

iWeb's hit counter lets you tally up the total number of times satisfied visitors have opened a page (just choose a page and select Insert: Button: Hit Counter). If you'd like a more exact count—for example, one that counts unique visitors as well as page loads—check out the free StatCounter (www.statcounter.com), an invisible Web tracker that provides Web stats that detail unique, returning, and repeat visitors. It also offers analysis of visitors' browsers, operating systems, and more.—CB

54 Autoplay (or Not)

Most Web-site visitors dislike music and movies that play automatically when a page is opened. As a result, **iWeb** doesn't let you add autoplay movies or music by default. But if you're determined to design a serenading site, you can. Create your page, save the site, and then open the folder that contains the files for your site. (If you're using .Mac, it will be at /iDisk/Web/Sites/iWeb/Your Site's Name.) Locate the JavaScript file within the page's Files folder (for example, Welcome.js in the Welcome_files folder). Open the JavaScript file in a text editor, such as TextEdit, and search for incidences of `autoplay=false`. Change `false` to `true`.—CB

55 Replace Background and Drop Zones

In Apple's **iDVD 6**, when you drag a picture into a theme that includes drop zones, only the background image changes—the drop zone and its graphic remain. You can install a new background image *and* remove the drop zones in one step by holding down the $\mathbb{A}$ key while dragging the picture into iDVD's main window. When you do, a contextual menu will give you the option to replace the background and drop zones (see "Zone Out").—CB

56 Make It a Deluxe DVD

Grandma will certainly appreciate a DVD that includes a slideshow of your latest family adventure, but you can make your gift even better by including the original images as

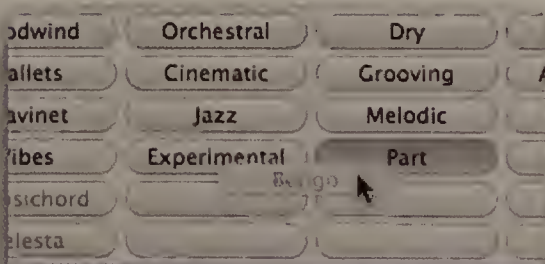
well. You can do so in **iDVD 6** by choosing Advanced: Edit DVD Contents. Click on New Folder in the resulting DVD-ROM Contents window, and drag your original pictures into this folder. Lucky DVD recipients will find the images in the folder you created at the root level of the disc when they pop the disc into a computer.—JEFF CARLSON

57 The Limits of Locking

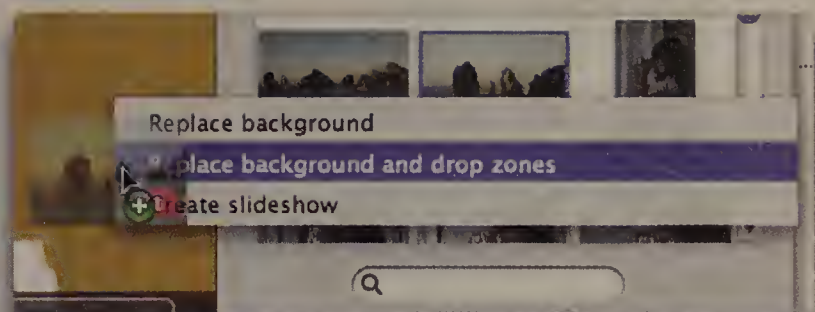
Playing an Apple **GarageBand 3** project with lots of tracks can overburden your computer's processor, causing tracks to drop out or distort. One solution is to lock tracks by clicking on the lock icon in the Tracks column of each track you want to lock—in other words, render them to your computer's hard disk. This can free up processing power, allowing you to use more tracks. But there's a gotcha. If you have a Mac with a slow hard drive (an iBook with a 5,400-rpm drive, for example), locking tracks isn't as effective. **GarageBand** writes each track to disk (instead of processing the effects in real time), so as you add more locked tracks that need to be read from the hard disk, the slower drive won't be able to keep up. If that's the case, consider purchasing more RAM and a faster hard drive—or a new computer.—CB

58 Rearrange Your Loops

Whether you're looking for bongo grooves or a spacey electric piano, Apple's default arrangement of sound sets in the **GarageBand 3** Loop



Who's Got the Button? Drag buttons in **GarageBand's** Loop Browser to rearrange their order.



Zone Out Use this handy command to replace an iDVD project's background and delete its drop zones in one step.

Browser is intuitive. (If you can't see the Loop Browser, click on the eye icon at the bottom left of the **GarageBand** window.) But if your mind works another way, you don't have to stick with the default order. Rearrange the position of any button by dragging it on top of another (see "Who's Got the Button?").—CB

59 Free Up Tracks with Submixes

For those times when you want to play a **GarageBand** project in other iLife '06 applications, **GarageBand 3** gives you the option of saving the project as an iLife Preview. But this file format can also help you when you're creating complex musical masterpieces. If you're running short on tracks, create a submix by saving your mixed project as an iLife Preview. Go to **GarageBand: Preferences**, choose the Render A Preview When Saving option, and then choose File: Save. Now open a new project and import the iLife Preview of the previous project. It will import as a single stereo track. Build the rest of your project from there.—CB



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Save Time with Word's Styles

Whether you want company correspondence to have a certain look or need your dissertation to follow MLA styling, you can easily spend hours formatting Microsoft Word documents. But there's a faster way: click within a paragraph and apply a *style*. Using styles is more efficient than setting attributes by hand. Styles also ensure consistent formatting and make document-wide changes a snap.

The Elements of Style

Everything you type in Word has a style attached to it—usually the default Normal style (12-point Times New Roman with single line spacing and left alignment). *Character styles* affect individual characters, words, or sentences; they can include the font type and color, as well as modifications such as bold and italic. You might use a character style to make sure your company logo is always red and in a proprietary font. *Paragraph styles* include character formatting but also affect line spacing, tabs, alignment, list numbering, and indentation. You might use a paragraph style to make sure block quotes in a term paper appear double-spaced and indented an inch.

The Basics Word comes with preset styles for everything from headers to hyperlinks. These live in your Normal template, on which Word bases all new docu-

ments unless you specify otherwise. If you use Microsoft's \$239 Word 2004 (🔗; macworld.com/1106), you can find the Normal template in *your user folder/Documents/Microsoft User Data*.

Check out these styles in the Formatting Palette (View: Formatting Palette) by clicking on the triangle next to Styles and then choosing All Styles from the List pop-up menu (see "Built-in Style"). Make sure to set it back to Available Styles when you're done or your menus might get out of hand (see "Three Style Problems Solved"). To get an even better look at styles, select Format: Style. When the Style dialog box appears, select All Styles from the List menu.

Apply a Style You can apply a style by using the Formatting toolbar (View: Toolbars: Formatting) or the Formatting Palette. To use the toolbar, select the text and then select a style from the Style pop-up menu. To save time, press ⌘-shift-S to highlight the Style menu. Use the up- and down-arrow keys to scroll through the available styles, and press return to select one. The Formatting Palette provides more information, but it takes up more screen space. To apply a style using it, select your text and click on a style in the Styles list.

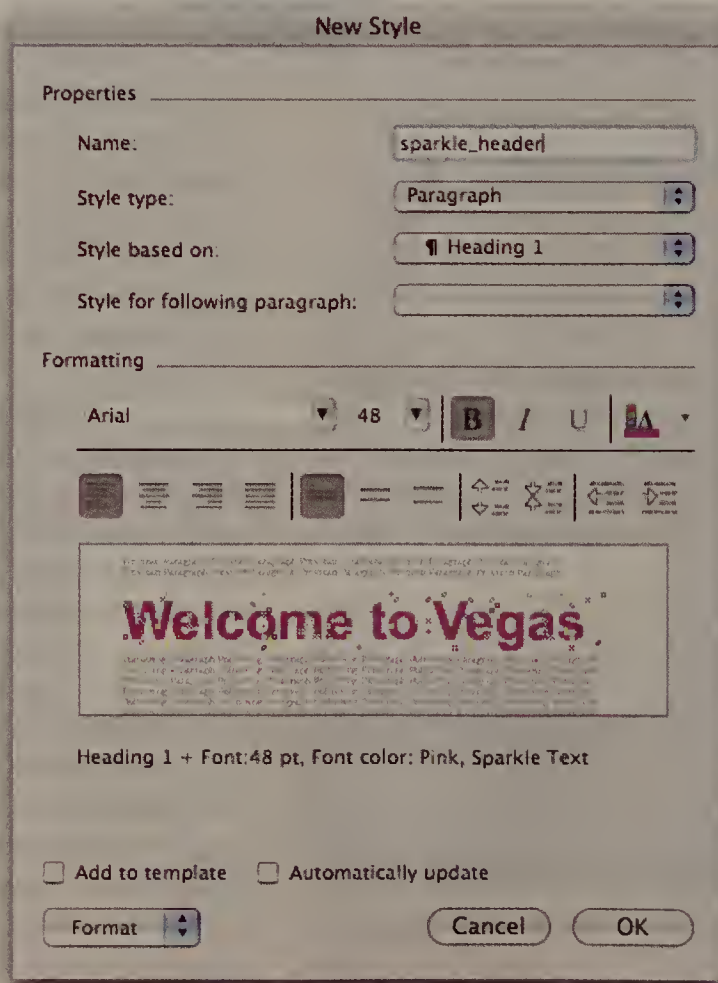
Use the Keyboard You can also apply some of Word's most commonly used styles with keyboard shortcuts. To apply the Normal style, select the text and press ⌘-shift-N. To apply any of the first three heading styles, select some text and press ⌘-option-1, -2, or -3. To apply the List Bullet style, select the text and press ⌘-shift-L.

Create Your Own

To make your own style, first format a paragraph the way you want. Select Format: Font to reveal the Font dialog box and set options for font, size, color, and so on. Then select Format: Paragraph and choose alignment, indentation, and spacing. (You can also use the Formatting Palette.) When everything is just right, click anywhere in the paragraph and then click on the New Style button in the Formatting Palette (or select Format: Style and then click on New).

Show Your Style

Don't waste time formatting and reformatting text by hand. Create a style with all your settings and you can apply them with just one click. To make the style available whenever you create a new document, select the Add To Template option.



The New Style dialog box that appears will include all your settings (see “Show Your Style”). If you want to refine the style further, click on the Format pop-up menu, select an option such as Font or Tabs, and tweak the settings. Give the style a name—for example, Body Text or Main Heading. For styles you use often, start names with a number—for example, 1Body or 2Header—so they will appear at the top of the list. Also consider bypassing menus altogether; click on Format and choose Shortcut Key to assign the style a keyboard shortcut.

A Matched Set If you’re creating a set of related styles—one for body text, another for headings, another for quotes—you can save yourself a lot of time by basing new styles on an existing one. This speeds up the creation of styles and ensures that they will remain consistent—if you change the original style, styles based on it will update. (This can be a *bad* thing too, if you forget that you based all your styles on Normal and change its font from Times New Roman to Chalkboard.)

Select Format: Style, click on New, choose the base style from the Style Based On pop-up menu, and then modify the settings as necessary. By default, Word stores styles you create this way in the current document, and once you close that document you won’t be able to access them. If you plan to use the style often, save it in your Normal template instead by selecting the Add To Template option at the bottom of the New Style dialog box. This way, you’ll be able to use the style in any new document.

Quick Changes Occasionally, you’ll want to modify a style—say, when you get tired of using a certain font, or when your boss tells you to spice up your headings. Click anywhere in a styled paragraph, and then select

Format: Style and click on Modify. In the Modify Style window that appears, make your changes and then click on OK to save them. This is also a fast way to make formatting changes to your entire document. Modify the appropriate style and the change cascades through your document, leaving text formatted in other styles untouched.

Keep in mind that sometimes it’s not a good idea to modify Word’s preset styles, because

Built-in Style Word comes with many useful preset styles.

Three Style Problems Solved

1 I created some styles, but they don’t appear in my new documents. How can I get them to show up in all my documents?

When you create a style, it’s stored *only* in the current document. To reuse it in any new document, you must save it in your Normal template (Word bases new documents on this by default). After creating a style, make sure you select the Add To Template option at the bottom of the New Style dialog box. When you close the document, you might see a dialog box asking if you want to save the changes in your Normal template. Click on Save or you’ll lose the style.

2 My paragraph style suddenly began using a different font. What happened?

You don’t have to go to the Modify Style window (by selecting Format: Style and clicking on Modify) to change a style. Word also lets you do it on-the-fly. Unfortunately, this is easy to do unwittingly. For example, if you create a header style

using 18-point bold Arial, and you change it in your document to 24-point italic Skia, Word will update the attributes of the selected text as *well* as the header style, if you’ve selected the Automatically Update option in the New Style or Modify Style dialog box. Automatic updating can be very convenient, but if you don’t want to change your styles in this way, make sure you haven’t selected that option.

3 The Formatting toolbar’s Style pop-up menu seems to include a million styles. Can I limit it to the ones I use?

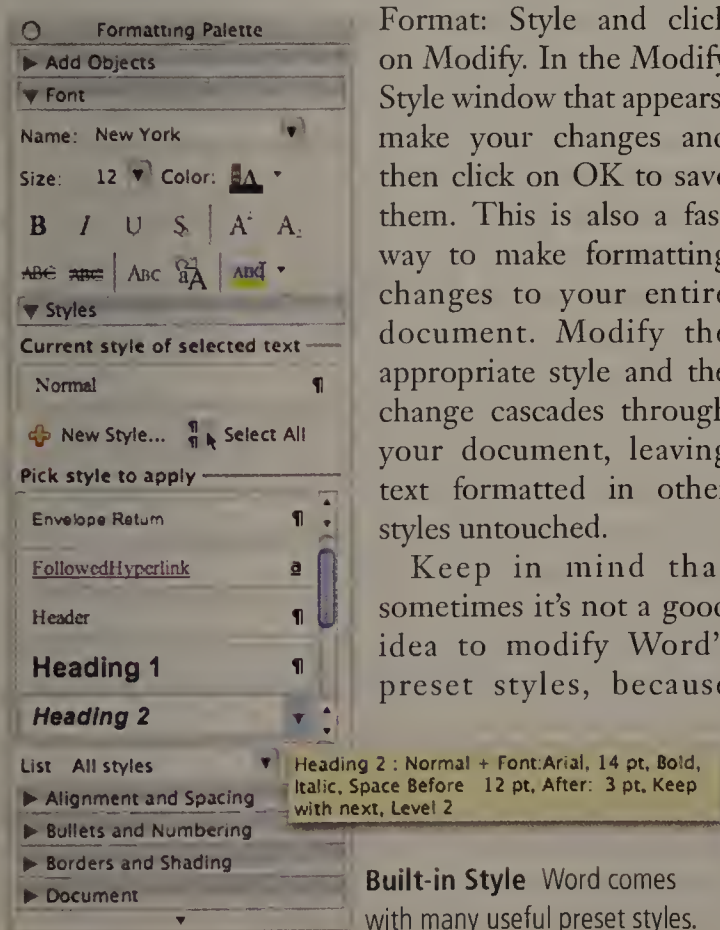
If this menu has gotten out of hand, you’ve probably clicked on the List menu in the Formatting Palette, selected All Styles to see all of Word’s preset styles, and then forgotten to set the option back to Available Styles. Weed out the excess styles by opening the Formatting Palette (View: Formatting Palette), clicking on the triangle next to Styles, and choosing Available Styles from the List pop-up menu.

you’ll confuse people who expect these styles to look the usual way when they edit your documents. Check with your boss or workgroup before making changes, to ensure that you won’t affect other users.

Share and Share Alike

Say you’re writing this year’s budget report. You want it to look like last year’s, but you also want to start with a fresh, blank file. No problem—Word lets you copy styles to and from your Normal template and other documents. This is a good way to copy styles from other documents or to share custom styles with colleagues.

Select Format: Style and then click on Organizer. Click on the Styles tab if it’s not already selected. You’ll see two lists: the one on the left is for your current document (the header will read *In Document Name*), the one on the right is for the Normal template. Select any style from the current document’s list and then click on the Copy button to copy it to your Normal template. The style will now show up in your Formatting toolbar or palette whenever you open Word. Select a style in the Normal template’s list and copy in the other direction to add one of your styles to another document. □



iTunes' Sharing Skills

One of the joys in life is sharing your tastes—and iTunes obliges that desire with built-in sharing features that let you open your library to other people, as well as take advantage of their reciprocal generosity. iTunes' sharing features let you store your music in a central location and access it from any of your home computers—Mac or PC—that run iTunes.

Macworld iPod AND ITUNES SUPERGUIDE



Want more tips on digital music?

Pick up a copy of the *Macworld iPod and iTunes Superguide*, an 88-page book available in print (\$24.99 [shipping included]) or as a downloadable PDF (\$9.95). Order yours at macworld.com/1371.

Setting Up Sharing

While iTunes' sharing functions may use complex network voodoo under the hood, setting them up is child's play thanks to Apple's zero-configuration networking technology, Bonjour. (iTunes sharing works only within the confines of a local network—a home or an office—and not over the Internet. iTunes did enable Internet sharing at one point, but Apple quickly shut it down due to copyright concerns).

Turn It On To get started, open iTunes' preferences and click on the Sharing icon. Select the Look For Shared Music option to tell iTunes to search your network for other shared libraries, and select Share My Music to make your files available to others.

Sharing Options After you tell iTunes to look for other shared libraries, there isn't much else to worry about. But when you share your music, you have a few more options (see "Open the Floodgates"). You can share your entire library or just selected playlists. You can give your library a unique name (in the Shared Name field). And you can set and require a password that users must enter to access your files (maybe you don't want your kids getting into your stash of Richard Pryor routines just yet). When you're done, click on OK. You're now ready to share. Note that you can even share music from a copy of iTunes running in one

user account with another account via OS X's fast user switching feature—just leave iTunes running when you switch accounts and its library will be accessible. (If you want to create a centralized music repository, see "Set Up a Music Server.")

Firewall If other users on your network can't see or connect to your library after you've enabled sharing, you may need to tell OS X's built-in firewall to allow the traffic through. To set this up, open the Sharing preference pane (System Preferences: Sharing: Firewall, and then select iTunes Music Sharing). If one of the computers on your network is a PC, check out Apple's instructions on how to work with Windows' Internet Connection Firewall to share (see macworld.com/1526 for details).

Playing Shared Music

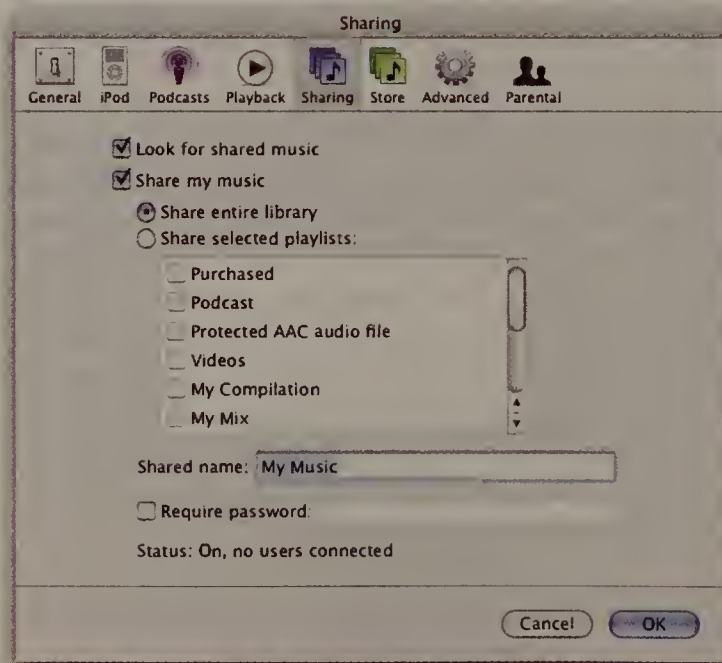
Once you're sharing files in iTunes, the other iTunes users on your network will see the shared name that you have set in iTunes' preferences. You'll see the name of their shared files in your Source list when iTunes discovers a shared library. If iTunes finds more than one shared library, it displays a blue icon labeled Shared Music; click on the triangle next to that icon to see all the available shared libraries.

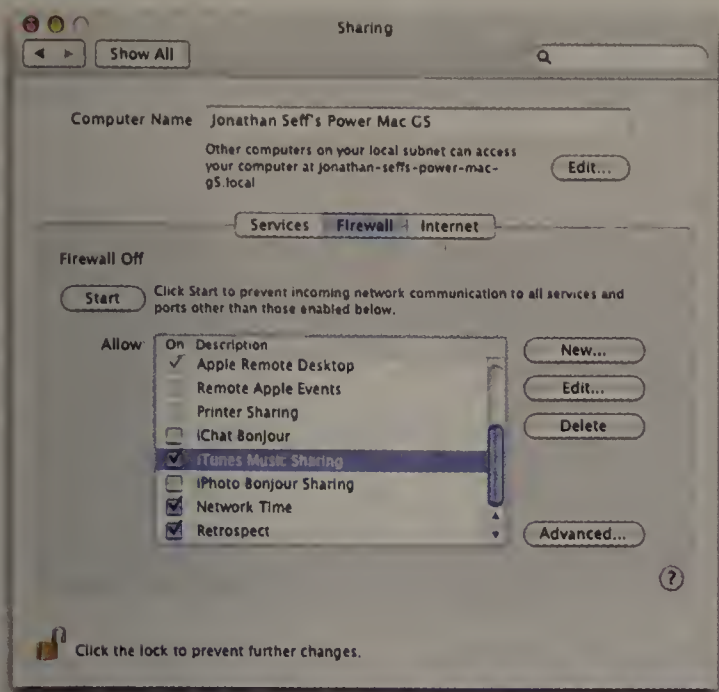
Accessing Files To load a library, just click on its name once and wait for it to load; this can take a few seconds or a bit longer, depending on the size of the library you're connecting to and the speed of your network. Once connected, you'll see a list of all shared material in your main iTunes window. To find something, you can scroll through the selections in the main window, click on the Browse button at the top right of the iTunes window, or use the Search box next to it—just as you can with a local library. Unless you're connected to someone who is sharing a single playlist, you'll see a triangle next to that person's shared icon, too—click on that triangle to see and access the playlists it contains (see "Let There Be Songs").

Once you've found what you want, double-click on it to start playback. You can listen to individual songs, entire albums, or playlists. You can listen to nearly everything in a shared library, including MP3, AAC, Apple Lossless, AIFF, and WAV files; podcasts;

Open the Floodgates

iTunes lets you share your whole library or individual playlists, and restrict access to your collection with a password.



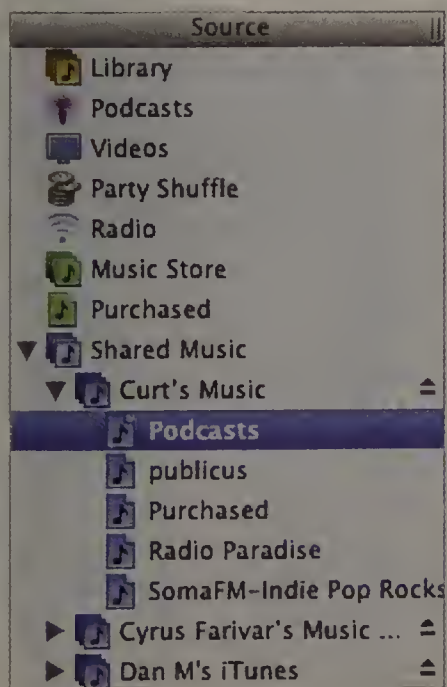


Let Me Pass If other people are having trouble getting to your shared files, try adjusting OS X's built-in firewall settings.

videos; and Internet radio station links. If you try to play music or video that another user has purchased from the iTunes Music Store (iTMS), iTunes will require you to authorize your Mac for that user's iTMS account (which counts against the total number of computers [five] that can play purchased content).

Limitations The only thing you can't listen to from a shared library is Audible spoken-word content—it won't even show up. But there are other limitations to consider with shared music. First, you can't create your own playlists from shared files, or use shared files in iTunes' Party Shuffle feature (if you want the songs in someone else's library to play in random order, he or she will have to create a smart playlist with those files in random order). The other limitation, which affects only people on large networks, is that iTunes allows just five users to connect to any shared library in a given day (a 24-hour period). For most people, this won't be an issue—but at work or on a campus, it may prevent you from listening to music in popular libraries.

Performance You'll rarely come up against any performance or bandwidth limits when sharing music via iTunes. Even an original AirPort (802.11b) wireless



network should be able to handle five streams of MP3 or AAC files at a time (but if you're on an older Mac, sending out multiple streams may cause a drop in overall performance). For lossless or uncompressed audio (or

Let There Be Songs

You can connect to any shared libraries on your internal network with a click of the mouse.

Set Up a Music Server

Sharing music from individual computers is nice, but it requires that each Mac or PC be turned on for anyone to access files in the shared iTunes library (and you usually end up with a lot of duplicate songs, as many people on the network may have similar musical tastes). If you have a computer that is always available (a server, for example), you might want to consider consolidating all your iTunes files in one place. It doesn't even need to be a fast Mac (you could get by with a 400MHz G3, Apple's minimum for running iTunes), but it does need to be connected to your network.



Start by copying all your music and video files from the different computers around the house (either over the network or using DVDs or portable hard drives) to the iTunes library on the central Mac. With an entire household's music, each person will want to create playlists to access his or her favorite files more easily. When you add new music from CDs, rip them on the server Mac. And when you purchase content from the iTunes Music Store, buy music from the server Mac so it gets added to your library.

The one downside to using a music server is that play counts and last-played dates don't get updated on shared libraries, so any smart playlists you want to make that depend on these criteria won't work. To get around these restrictions, check out Neil Evan's free Shared Music Monitor 1.3.1 (macworld.com/1552). Once you install it on your server, this AppleScript monitors your iTunes Music folder, and keeps track of what songs the other copies of iTunes on your network play. Because of the way it works, Shared Music Monitor can also monitor songs played through hardware devices such as Roku's SoundBridge or Slim Devices' Squeezebox. Shared Music Monitor can be a CPU hog, and it does have several limitations, but it might be enough to make setting up a music server a good solution to your home media needs. And remember that by dedicating a spare Mac as a music server, you not only save disk space on your other Macs, but also give everyone in your house or office access to the same music.

video files), however, a faster network and computer can alleviate possible interruptions.

Keeping Tabs on Who's Listening

The Sharing pane in iTunes' preferences will tell you how many users are connected to your shared library. But what it won't tell you is what they're actually listening to. To find out, open Activity Monitor (/Applications/Utilities), highlight the iTunes entry, and then click on the Inspect button in the toolbar. Now click on the Open Files And Ports tab and then scroll to the bottom of the list in the window below. If you're listening to something in iTunes, your current song will show up first, but anything someone connected to you is viewing or listening to will show up like this:

```
192.168.1.3:daap->192.168.1.8:56089
/Volumes/Backup/iTunes Music/Brian
Eno/Another Day On Earth/01 This.m4a
```

In this example, the person is connected from IP address 192.168.1.8 and is listening to Brian Eno's "This." □

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Take Command of Keywords

Want to find every close-up taken of your children during summer vacation? When put to good use, iPhoto 6's keywords feature makes complex searches like this easy. Keywords are descriptive words that you can use to label and categorize your photos, regardless of which album they're in. More important, keywords are searchable.



By the Book This article is an excerpt from *iPhoto 6: the Missing Manual*, by David Pogue and Derrick Story (2006; reprinted by permission of O'Reilly [www.oreilly.com]).

Editing Keywords

iPhoto 6 comes with a few sample keywords to get you rolling, including *favorite*, *family*, *kids*, *vacation*, *birthday*, *movie*, and *raw*. But you can add new keywords to create a meaningful, customized list.

To add, delete, or rename keywords, choose iPhoto: Preferences and click on the Keywords button to reveal the Keywords pane.

Adding Keywords Click on the plus-sign (+) button to produce a new untitled entry in the Keywords list. Then type a name for your new keyword and press return.

Deleting Keywords To delete a keyword, select it in the list and then click on the minus-sign (-) button. You can select multiple keywords for deletion by shift-clicking or ⌘-clicking (for noncontiguous selections) on them in the list. When you remove a keyword from the list, iPhoto also removes that keyword from any pictures to which you had applied it.

Renaming Keywords To rename an existing keyword, select it in the list, click on the Rename button, and then edit the name. But be careful about renaming keywords after you've started using them; the results can be messy. If you've already applied the keyword *fishing* to a batch of photos, but later decide to replace it with *romantic* in your keyword

list, all the *fishing* photos automatically inherit the keyword *romantic*. Depending on your inclinations, this may not be what you intended.

Developing a Keyword Strategy

It may take some time to develop a good master set of keywords. The idea is to assign labels that are general enough to apply across your entire photo collection, but specific enough to be meaningful when conducting searches. Here's a general rule of thumb: use albums to group pictures of specific events—a wedding, family vacation, or beach party, for example. Use keywords to focus on general characteristics that are likely to appear through your entire photo collection—words like *mom*, *dad*, *friends*, and *travel*.

Say, for example, you have photos that you shot during a once-in-a-lifetime trip to Rome last summer. You might be tempted to assign *Rome* as a keyword. Don't. You probably won't use *Rome* on anything other than that one set of photos. It would be smarter to create a photo album called *trip to Rome* to hold all those Rome pictures. Use your keywords to tag the same pictures with descriptors like *travel* or *family*. It might also be useful to apply keywords

continues



The Choice Is Yours iPhoto gives you two ways of assigning keywords to photos. You can use the Photo Info dialog box to activate relevant keywords (left) or drag a group of photos onto a keyword in the Keywords pane (right).

digital brain.
analog soul.
surprisingly well-adjusted.



14-50mm Leica D lens • 7.5 megapixel live MOS sensor • mega optical image stabilization • dust reduction system • four thirds™ system • 2.5 inch live view LCD • shoot digital without sacrificing the soul of photography •

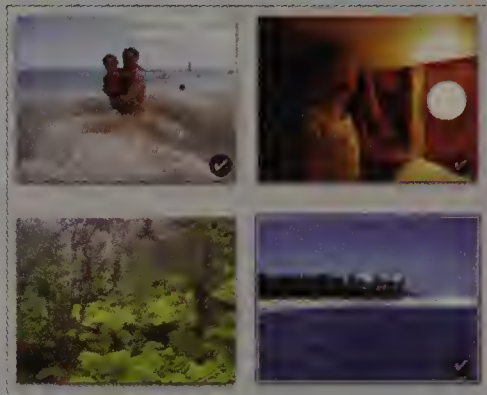
the digital SLR you've been waiting for is at panasonic.com/digitalSLR

Panasonic
ideas for life

Using the Check Mark

You may have noticed that one entry in the Keywords pane is not a word but a symbol—a small check mark. The check mark works just like the other keyword entries, with one exception. Instead of assigning a particular keyword to photos, it flags them with a small check-mark symbol.

You'll find the check mark extremely useful for temporary organizational tasks. For example, you might want to cull only certain images from a photo album for use in a printed book or slide show. As you browse through the images, use the check-mark button to flag each shot you want. Later, you can perform a search using the check mark to round up all of the images you marked, and then drag them into a new album en masse. After moving your check-marked photos to an album, remember to remove the check mark from all of them while they're still selected. That way, you won't get confused the next time you want to use the check mark for flagging a batch of photos.



Check, Please The idea behind the check-mark keyword is to provide an easy, uncomplicated way of earmarking a series of photos while sifting through your collection.

that describe attributes of the photos themselves, such as *close-up*, *landscape*, *portrait*, and *scenic*—or even the names of the people in the photos, like *Harold*, *Chris*, and *Uncle Bert*.

Assigning and Unassigning Keywords

iPhoto offers two methods of applying keywords to your pictures. No matter which method you prefer, you can apply as many keywords to a photo as you like. A picture of your cousin Rachel at a hot-dog-eating contest in London might bear all these keywords: *relatives*, *travel*, *food*, *humor*, and *medical crises*. Later, you'll be able to find that photo no matter which of these categories you're hunting for.

Method 1: Drag the Picture If it's not already visible, expose the Keywords pane by clicking on the little key icon below the Source list. You can drag photos onto the relevant keywords one at a time, or you can select multiple photos (hold down the ⌘ key while making multiple selections) and drag an entire group over at once.

This method is best when you want to apply one keyword to a whole bunch of pictures. It's pretty tedious, however, when you want to apply a lot of different keywords to a single photo.

By the way, you can also use this method to *remove* keywords from a photo. Simply press the option key as you drag a photo onto a keyword.

Method 2: Get Info Highlight a picture's thumbnail and choose Photos: Get Info. In the Photo Info dialog box, click on the Keywords tab. Here you'll find a simple checklist of all your keywords. Turn on all the check boxes that correspond to the currently selected photo.

You can keep the Keywords window open on the screen as you move through your photo collection.

To remove keywords using this method, just deselect the appropriate check box.

Viewing Keyword Assignments

Once you've tagged a few pictures with keywords, you can see those keywords in one of two ways. The first is to look at the Keywords window. When you select a photo, its assigned keyword check boxes light up in the Keywords list. The second option is to choose View: Keywords, or press ⌘-shift-K. iPhoto will display the applied keywords under the photo.

Putting Keywords to Use

Whether you tag photos with the check-mark symbol (see "Using the Check Mark") or a series of keywords, the big payoff for your diligence arrives when you need to get your hands on a specific set of photos.

Start by opening the Keywords pane below the Source list. When you click on one of the keywords, iPhoto immediately rounds up all photos labeled with that keyword, displays them in the photo-viewing area, and hides all others. Click on Reset to restore the view to the whole album or whole library you had visible before you performed the search.

Search Multiple Keywords To find photos that match multiple keywords, click on additional keywords. For example, if you click on *travel* and then on *holidays*, iPhoto reveals all the pictures that have both of those keywords. Every keyword remains selected until you click on it a second time.

Exclude Photos Based on Keywords Suppose you've rounded up all your family pictures by clicking on the *family* keyword. The trouble is, your ex-spouse is in half of them. No problem—as long as you have a keyword set up for him or her. Just option-click on the appropriate keyword. iPhoto obliges by removing all photos with that keyword from the current group. In other words, option-clicking on a keyword tells iPhoto to find photos that *don't* contain that keyword.

Narrow Your Search You can confine your search to a single album by selecting it before clicking on any keywords. You can also select multiple albums and search only in those.

Broaden Your Search By default, iPhoto searches for photos that match all selected keywords. But in iPhoto 6, you can change this behavior to have it find photos that match *any* of the selected keywords—for example, finding pictures with either the *travel* or the *holidays* keywords. This will help you expand your search to include more photos. To set this up, choose iPhoto: Preferences, click on the Keywords button, and set the pop-up menu to Match Any Keywords When Filtering. □

Contributing Editor DAVID POGUE is a weekly tech columnist for the *New York Times*. DERRICK STORY is a professional photographer and the editorial director of the O'Reilly Network.



you could if you wanted to

Perhaps the corner office just isn't your style. Anthro understands. So here is our Fit System® Standard Unit as just one example of what we can do. Why so "out there"? Well, we wanted to show you that Anthro's built-in modularity lets you



do things with furniture that you never thought possible. So for a workstation that fits you and your work exactly, contact our friendly and knowledgeable folks at **800.325.3841** or **anthro.com/mac**. We'll help configure something just for you!



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POC Cart

Custom Templates in Pages

Pages 2, the page-layout and word processing program included with Apple's \$79 iWork '06 suite, comes with more than 60 beautiful and versatile templates. So I was surprised when a friend complained that it didn't have a template for a 5.5-by-8.5-inch auction brochure. What she didn't know was that Pages' templates are customizable. In no time, we were able to create one that perfectly suited her needs.

If you create the same type of document over and over in Pages 2 (####; macworld.com/1129), you can save considerable time and ensure consistency from one project to the next by using templates. Once you create a template, anyone can use it to add pretyped text and custom graphics. Whether you're creating a template for an auction brochure, a recipe card, or another project, the basic steps are the same.

Start with a Clean Slate

To create a custom template, you need to start with a blank page. Open Pages (/Applications/iWork '06) and choose Blank from the dialog box that appears. If no dialog box appears, or if Pages is already open, select File: New to open a new blank template.

Set Page Details

Next, set up the basic structure of your document, including the document size, margins, and any other settings for the whole page. The default page size for a blank template is 8.5 by 11 inches. If you need a different size—for example, my friend's auction brochure

needed to be 5.5 by 8.5 inches—select File: Page Setup and choose the appropriate option from the Paper Size drop-down menu. If you don't see the size you want listed, select Manage Custom Sizes at the bottom of the menu and type values for Width and Height.

To set the margins for your document, open the Document pane of the Inspector palette (if it isn't visible, choose View: Show Inspector). Because we planned to print the auction brochure as a booklet, we also turned on the Facing Pages option, which shows you how the pages will look bound together.

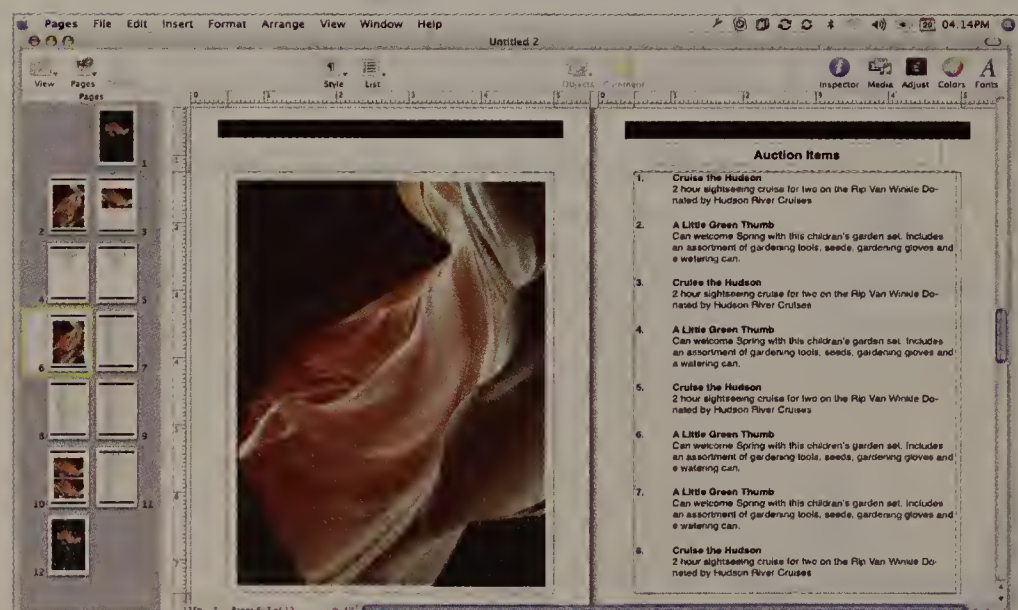
Add Text and Graphics

Now that you've set up your page size and margins, specify where text and graphics should appear on the page. Ultimately, these page elements will become placeholders, which other users can quickly customize by dragging their own text and photos on top of them.

By default, Page's Blank template includes a single text field right in the middle of the page. In most cases, you'll want something a bit more versatile. To create your own text box, click somewhere off to the side of the document so that the cursor disappears; then click on Objects in the Pages toolbar and select Text from the drop-down menu. A small text box will appear in the middle of your document. To resize the text box, click just outside it (it will disappear) and then click on the box again. Handles will appear along its edges. Drag these until the box is large enough to suit your needs. If you lose track of a text box, go to View: Show Layout to see outlines of all page elements. Repeat the process to create as many text boxes as you need.

After you've created text boxes, fill them with generic text. To prevent confusion about which text you intend to be temporary and which you've already replaced with real content, Apple uses Latin words as placeholder text. If you'd like to do the same, download G-design's free Lorem Ipsum Widget (macworld.com/1576), which lets you define how much Latin text you need.

To add images to your document, open the Media Browser (View: Show Media Browser) and select



One of a Kind If Pages doesn't offer the layout you need—such as the auction brochure shown here—design it yourself. Then turn it into a template, so that next time you can quickly customize the text and graphics without starting from scratch. Our template includes several different page designs, which are visible in the thumbnail column on the left.

iPhoto from the pull-down menu at the top of the browser window. Once you've dragged the image you want onto the page, you can use the Graphic pane of the Inspector palette to add rules, drop shadows, or reflections.

If your template will have several different types of pages—for example, one with ads or one with lists of donors—add those pages now and format them appropriately.

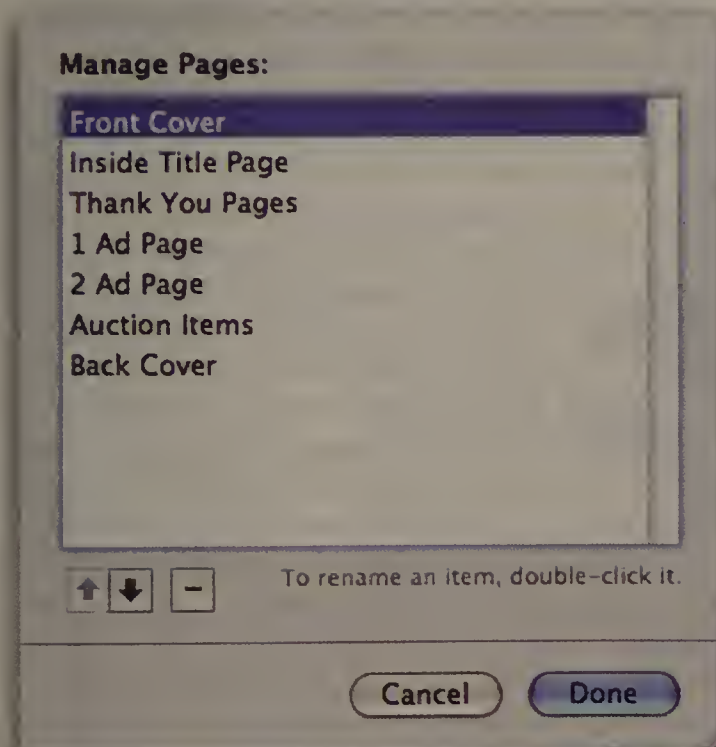
Define Placeholders

Right now, your text and images are just standard page elements. To enable drag-and-drop customization, you must turn them into placeholders. Start by choosing **Format: Advanced: Enable Placeholder Text Authoring**. Highlight the first block of text and choose **Format: Advanced: Define As Placeholder Text**. Repeat this process for any other text on the page. To turn an image into a placeholder, select the image and choose **Format: Advanced: Define As Image Placeholder**.

Capture Your Template

Once you've created your template, you can give users easy access to it by placing it in the Pages menu at the top of the document window. The process of turning a page into a reusable template is called *capturing the page*.

Click on the toolbar's View button and select **Show Page Thumbnails** from the pull-down menu. You should see a small image of your template page along the left side of the window. Click once on the page's thumbnail to select it and then choose **Format: Advanced: Capture Pages**. In the dialog box that



Management Skills The Manage Pages dialog box lets you control how template pages appear in the Pages menu. Use the up- and down-arrow buttons to change the order of pages.

Share with Others

Before you create your custom template, check to see if someone else has already done the work for you. The iWorkCommunity.com Web site offers a template exchange, where you can download Pages templates from other users or share your own. The offerings include a newspaper layout, legal forms, flash cards, and more.

To share one of your templates, open your My Templates folder (your user folder/Library/Application Support/iWork/Pages/Templates/My Templates) and make a copy of the template file. You can then e-mail this file to other iWork users or post it online (you'll need to become a member to post templates to the site).

iWorkCommunity.com

appears, enter a name for your template page. Set the Include pull-down menu to **First Page Only** and then click on **OK**.

Repeat this process for any other template pages you want to create, giving each one a different name. Now, when you click on the Pages menu, you should see the name of your captured pages along with a thumbnail image of each.

Managing Multiple Template Pages

If you've created more than one template page, you may want to adjust the order in which the pages appear within the Pages menu. To do this, choose **Format: Advanced: Manage Pages**. Use the arrow buttons to move a selected template page up or down in the list (see "Management Skills").

You can also use the Manage Pages window to delete template pages. For example, you probably don't want the default Text Page to appear. To delete it, click once on the name of the template page and click on the minus-sign button (-). A word of caution: you can't restore items deleted from the Manage Pages dialog box—so make sure you've selected the correct page before clicking on that button. Once you're happy with the arrangement, click on **Done**.

Finalize Your Template

If you created a variety of page designs for your template, your current document may be several pages long. To simplify your template, trim your document to just one or two pages—the ones you'll use most often. These pages will appear whenever you open your new template. Remember, you'll still be able to access the other page designs from the Pages menu.

To delete pages from the document, click on a page's icon in the Thumbnails drawer and press the delete key. You're now ready to finalize your template (**File: Save As Template**). In the window that appears, give your template a name and click on **Save**.

To use your new template, select **File: New**. In the dialog box that appears, choose **My Templates** from the column on the left, select the thumbnail for your new template, and click on **Choose**. □

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Remotely Access Your Mac

You're on the road, it's the night before your big presentation, and after a long day of travel you fire up your Mac to do a last-minute check on your slides. That's when you realize that you forgot to bring them with you—that the presentation your business's future depends on is sitting on your Mac at home, hundreds of miles away.

With a little forethought and preparation, this wouldn't be a problem. You'd just log in to your home computer and retrieve the file via FTP. But you can't log in to a remote computer if you don't have its Internet Protocol (IP) address. And if you're like most of us, your Internet service provider assigns your computer a dynamic IP address that changes all the time. Fortunately, there is a workaround, using an Internet technology called dynamic DNS.

What Is Dynamic DNS?

DNS, or Domain Name System, translates addresses like www.macworld.com into numeric IP addresses that Net routers can understand. When you type a domain name such as www.macworld.com in your Web browser, your Mac asks your ISP's DNS servers for the corresponding IP address, which it then uses to take you to the Web site you want.

Dynamic DNS providers assign your computer a plain-English name that stays the same even when

your IP address changes. To connect to your home Mac, you just have to remember that name.

Getting Started

Several companies offer dynamic DNS services. (See macworld.com/1549 for a comprehensive list.) For this column, I'll use DynDNS as an example, but the instructions are similar for other providers.

The first thing you need to do is set up an account. With DynDNS, that means going to www.dyndns.org and clicking on Sign Up Now to get started. Once you've created an account, log in with your new user name and password, click on My Services, and then click on Add Host Services. Select Add Dynamic DNS Host from the list that appears.

Now it's time to select your Mac's plain-English Net address. That address has two parts: The first part, which comes before the first period in your address (the *dmoren* in *dmoren.dyndns.org*), is called the host name. That can be anything you want, as long as someone else hasn't registered it already. Fill in the name you want and then open the drop-down menu next to the host-name field.

This menu is where you choose the second part of your address, the domain name, which is everything *after* the first period. Dynamic DNS offers an extensive list of domain names, ranging from the bland (dyndns.org) to the quirky (boldlygoingnowhere.org) to the oddly specific (is-a-chef.net). Your choice here is largely a matter of taste (unless you're going to be hosting a business Web site on your home Mac, in which case it's also a question of marketing); the important thing is to choose a name you'll remember.

The next field down, IP Address, should already be filled in with your current IP address. Those are the only fields you need to worry about, so once they're complete, click on Add Host (see "Who's the Host?").

Enabling the Daemon

At this point, your home Mac has a nice, easy-to-read Net address. But that address will last only as long as your current IP address, which could change



CHECK IT OUT

Naptop

Just because your favorite shoulder bag doesn't have a special pocket for your laptop doesn't mean you have to go out and buy a separate laptop bag. Instead, get a laptop *sleeve*. These form-fitting jackets protect against scratches and provide just enough padding to let you stick your laptop into your existing bag without worries. Unfortunately, most laptop sleeves are rather boring. For sleeves with a bit of style, check out Naptops (\$35 to \$45; www.naptop.com). These "sleeping bags for your laptop" are available in fifteen different styles; each has a cotton, satin, or "parachute-material" exterior and a soft, quilted interior that will pamper your laptop's shiny surfaces. They don't give you much padding or shock protection, but they'll keep a MacBook Pro scratch-free inside a backpack, a messenger bag, or a suitcase.—DAN FRANKS



at any moment. DynDNS provides software that runs on your home Mac and continuously keeps the DynDNS database abreast of those changes, so your new Net name will always point to your Mac.

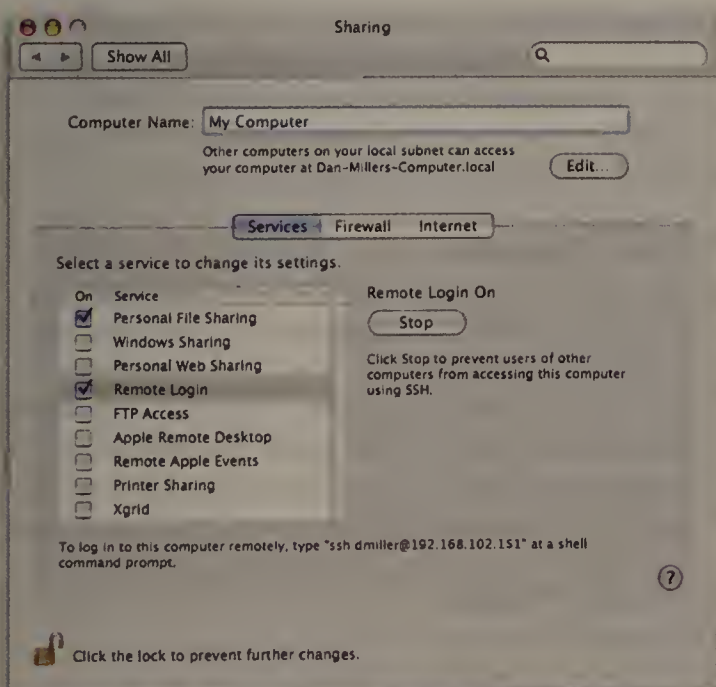
To install that software, click on Support in the DynDNS navigation bar, and then click on Update Clients in the list on the left. If you aren't automatically routed to the page for the OS X client, click on Macintosh/OS X Client. Select the link that will download a program called DynDNS Updater.

Once you've downloaded, unzipped, and launched DynDNS Updater, you'll be asked for an administrator password so you can install the client's daemon. This is the small program that runs in the background and keeps the DynDNS servers up-to-date with your IP address.

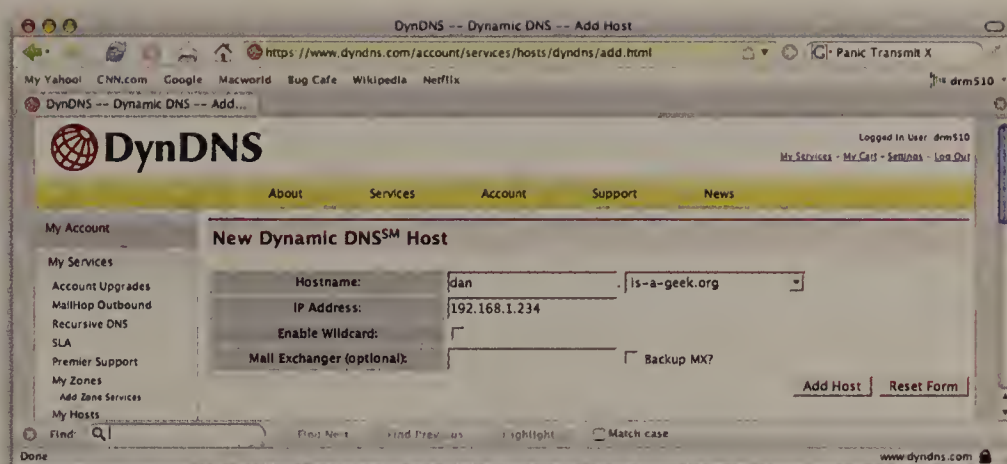
When the daemon is installed, click on the Add User button in DynDNS Updater. In the sheet that appears, enter the name and password for your DynDNS account. If you leave the Auto-Setup From DynDNS Server option selected, the app will automatically fill in the rest of the details for you. Then click on the triangle next to your user name to show the host names associated with that account. Select the Active check boxes next to both your user name and the host name. When the Status column reads "OK" for both, you're all set, and you can quit the program. (The daemon will continue to run; if you want to keep a close eye on your dynamic DNS host names, you can install the included Dashboard widget.)

Putting Dynamic DNS to Use

So now you have a dynamic DNS host name. But how do you use it? Let's get back to our nightmare scenario. Before you left on your business trip, you had the foresight to configure your home Mac for just



Open the Door Once you have dynamic DNS set up on your Mac, turn on Personal File Sharing and Remote Login to get full remote access.



such an emergency. You enabled file sharing on your home computer by going to the Sharing preference pane and enabling Personal File Sharing. You also selected the Remote Login option, so you can use Secure FTP to transfer files.

From your hotel room, you fire up your favorite SFTP client. (Or if you prefer Terminal, you can use OS X's built-in command-line client). No matter which client you use, enter your dynamic DNS address and the short user name and password for your OS X user account when the client asks for a server. The folders and files in your Home directory should appear.

But dynamic DNS is hardly a one-trick pony. You can also use it to set up a simple Web site on your Mac: Go back to the Sharing preference pane and enable Personal Web Sharing. Then create your site in Apple's iWeb (for details on that process, see "The Weekend Web Site," July 2006; macworld.com/1559). When you're done, choose the Publish To A Folder option and save the files in the Sites folder of your Home directory. Your new page's address will be your dynamic DNS address followed by a tilde (~) and your OS X short user name: `hostname.dyndns.org/~shortusername/`, for instance.

Now for the caveats: Some ISPs don't like customers running servers on their home computers, so make sure to check your terms of service. More seriously, you may be concerned about the security of enabling remote access to your Mac—and rightly so. If you're using a firewall, make sure that it's leaving the requisite ports open. OS X's built-in firewall is pretty smart about this, but some third-party firewalls may not be as alert. If you've enabled Personal File Sharing, you'll need to leave ports 427 and 548 open. If you're using remote login, leave port 22 open. And if you're hosting a Web site, leave ports 80, 427, and 443 open. (Those are the defaults; check the Sharing preference pane just to be sure.)

You also need to make sure your Mac is awake when you try to access it. To do that, go to the Energy Saver preference pane and tell it to either keep your Mac awake at all times or wake it up when you need access. For more on this, see "No Files Left Behind" at macworld.com/1551.

DAN MOREN is a freelance writer and a contributor to *Macworld's* MacUser and Gadgetbox blogs (macworld.com/weblogs/weblogs/).

Who's the Host?

DynDNS lets you pick any host name you want (as long as it hasn't been registered by someone else) and offers a long list of domain names to choose from.

Firefox Extensions for Geeks

Mozilla's Firefox browser is a great tool for surfing the Net. And thanks to a growing number of free Firefox extensions, it's an *especially* good tool for people who want every possible ounce of browser power—and who are willing to tinker with their Mac to get it.

I've dug up 10 of the best extensions for Firefox (🔗🔗🔗🔗; macworld.com/0963). Some of these are designed to make surfing easier or safer, while others are specifically geared toward Web developers. All are free, and you can easily configure or remove them in Firefox by going to Tools: Extensions.

1. Ultimate Site Customizer

The first Firefox extension any self-respecting geek should install is Greasemonkey (macworld.com/1126). Using basic JavaScripts, this extension can block ads, remove frames, rewrite URLs, resize graphics, and more. If you find anything annoying about a site you visit frequently, chances are that a Greasemonkey script can help alleviate your frustration. You can find thousands of Greasemonkey scripts online at Userscripts.org.

To set up a script from Userscripts.org, first install the Greasemonkey extension on your Mac and then restart Firefox. Next, locate the script you want to download and click on the Install This Script link, which displays the raw JavaScript code. Select the Install button at the top of the page (or go to Tools: Install This User Script), and Firefox will take care of

the rest. Once the installation is complete, you can turn that script on or off, using the Greasemonkey pop-up menu on the Firefox status bar (see "Monkeying Around"). To configure or uninstall any script, choose Manage User Scripts from the Greasemonkey pop-up menu.

Here are some handy Greasemonkey scripts from Userscripts.org:



_blank Must Die This script causes links that would ordinarily pop up in new windows to open in the current window or tab instead.

About.com Ad Free This script removes ads from About.com pages and makes outgoing links open directly in a window (rather than in frames).

Google Maps Mousewheel Zooming This script lets you use a scroll wheel to zoom in and out on maps at maps.google.com.

2. Tab Enhancer

Tab Mix Plus (macworld.com/1587) lets you take tabbed browsing to a new level by adding dozens of configurable features. For example, you can add close buttons or a page-loading progress bar to each tab, reopen tabs you've accidentally closed, and automatically save all your tabs when you quit (and then restore them at your next launch). To customize your settings, go to Tools: Tab Mix Plus Options.

3. Flash Stopper

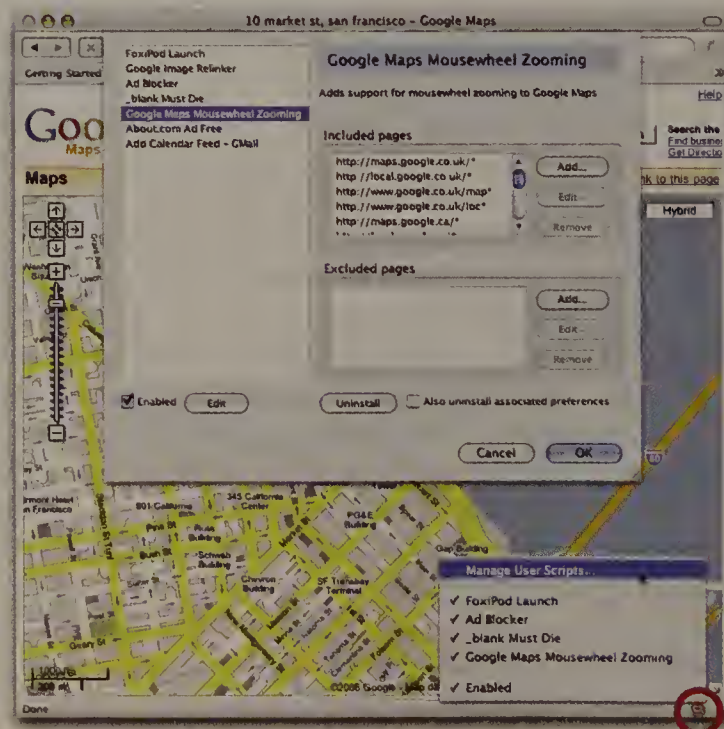
Flash animation can be cool, but it can also be annoying. Pages with Flash content take longer to load and the graphics can be distracting (if not downright hideous). As its name implies, the Flashblock extension (macworld.com/1588) stops Flash animations from loading automatically. To start one, just click on the icon in the placeholder box where the Flash content is.

4. Cache Finder

How many times have you clicked on a link, only to find that the server was down, the page had been removed, or the site was responding too slowly? Cacheout (macworld.com/1589) can help you by locating a cached copy of that page (though it may be sev-

Monkeying Around

To enable (or disable) one of Greasemonkey's many customization scripts, control-click on the monkey at the bottom of your browser window and choose the script from the pop-up menu. You can also go to Firefox's Tools: Manage User Scripts menu.



eral days old). If a page doesn't respond when you click on a link, control-click on it and select Cacheout from the contextual menu. The extension searches for and displays a cached copy of that page.

5. Fast Note Taker

Copying a Web page can be cumbersome. First you have to copy and paste the URL; then you have to go back and grab the page's title and text. Copy URL+ (macworld.com/1590) can save frequent Internet note takers a lot of hassle. This extension copies a page's URL, along with its title, text that you've selected, or both—all with a single command. Just highlight the text you want, control-click on it, and go to Copy URL+ to choose the elements you want to copy.

6. Clever Picture Snapper

If you need to take a screen shot, you can press ⌘-shift-3. But this command captures only the *visible* part of a Web page. Enter Screen Grab (macworld.com/1591), a handy extension that lets you snap a picture of an entire Web page, no matter how long it is. Control-click on a page and select Screen Grab from the contextual menu. In the submenu, choose whether you want the whole page or just the part you can currently see.

7. Easy Source Viewer

To understand how a site is put together, Web developers often look through the source code and compare it to the rendered page. Aardvark (macworld.com/1592) provides an easier solution. When you want to see the coding behind a site element, control-click on the page and select Start Aardvark from the contextual menu. Once enabled, Aardvark outlines any element over which you hover your cursor, and displays the object's boundaries, HTML tags, and CSS styles (see "Aardly Any Trouble").

8. Web Development Aid

Web Developer (macworld.com/1593) is a powerful tool for Web site creation that offers an array of useful testing and design functions. The extension lets you display image attributes such as size and alt tags; hide images altogether; and instantly disable or enable CSS style sheets, Java, JavaScript, and redirects. You can also display guides for aligning page elements, show outlines of HTML elements on the screen, validate HTML or CSS code, and manipulate form fields (even switching between POST and GET actions on-the-fly). Once you've installed the extension, access its tools in Firefox by going to Tools: Web Developer.

9. HTML Helper

Most good HTML editors use syntax coloring and indentation to delineate where blocks of code

Private Surfing

When you surf the Web, you leave a trail of information. Even if you use Safari's Private Browsing feature or Stealthier extension for Firefox, your browser still sends out your data—including your IP address, Web browser version, computer operating system, and the Web page from which your click originated—to Web servers. When you really want to surf privately, try two free programs—Tor and Privoxy.

Tor is a distributed networking system that routes data to or from your Mac through *onion servers*, a random series of computers. Tor makes it difficult to track your IP address or location by ensuring that no single server knows the entire path of a data packet and by changing that path frequently. Privoxy is a *proxy server*—an application that intercepts and filters data on its way to and from your browser. You can configure Privoxy to block ads and cookies, and prevent servers from logging info about your machine.

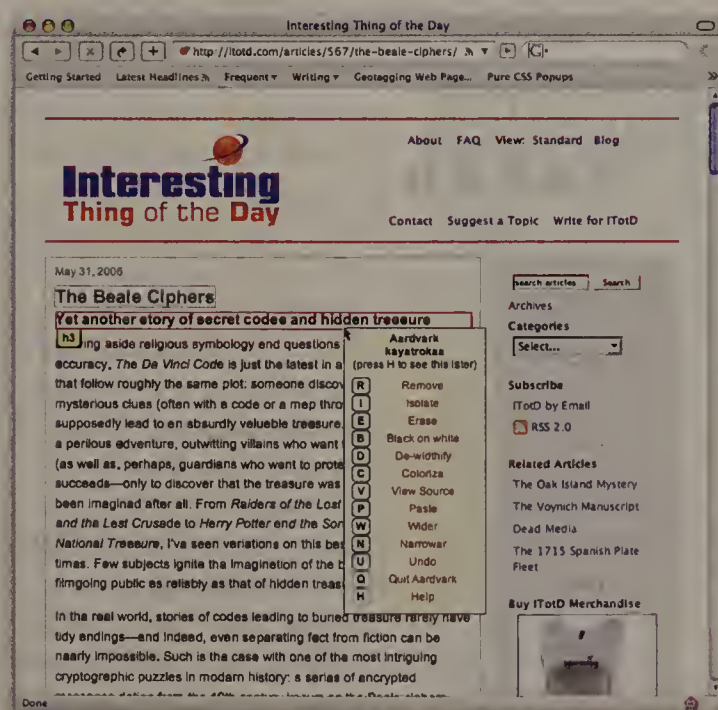
Download an installer with both applications from tor.eff.org and follow the instructions on Tor's Web site. These work with Safari and Firefox, but Firefox users can also install the FoxyProxy extension (macworld.com/1596), which automatically sets up Tor and lets you configure and switch between proxies, or the Torbutton extension (macworld.com/1597), which allows you to turn Tor (and Privoxy) on and off by clicking on a button in the Firefox status bar.

start and end. The View Source Chart extension (macworld.com/1594) takes this concept further, by visually modifying source code to appear as a series of colored, nested blocks. This simple tool can make it easier and faster for any Web developer to debug a design.

10. Keep a Clean Machine

One great Safari feature that Firefox lacks is Private Browsing, which prevents the browser from saving information about your activities, including your Google searches, URL history, and file downloads. The Stealthier extension (macworld.com/1595) adds these types of capabilities to Firefox, and lets you enable or disable privacy options such as caches, cookies, and saved form information. Once this extension is installed, you can activate it from within Firefox by selecting Tools: Stealthier. □

JOE KISSELL is a senior editor of Tidbits (www.tidbits.com) and the author of numerous Mac OS X e-books (www.takecontrolbooks.com).



Aardly Any Trouble
Web developers will appreciate the Aardvark extension's ability to display information about any Web page object you mouse over.

Mac OS X Hints

The Insiders' Tips You Won't Get from Apple

Close All but the Current Finder Window

Savvy OS X users might already know that option-clicking on a Finder window's close button (the red dot in the title bar) closes *all* open Finder windows. But what if you want to close everything except the frontmost window? That's possible too.

The Easy Way In the window you wish to keep open, press ⌘-shift-G. This makes the Go To Folder sheet appear. Now press ⌘-option-W—this is the keyboard equivalent of option-clicking on the close button. When you press this keyboard command, all Finder windows except the currently active one will close (OS X won't let you close a window with an active sheet). Now just press the escape key to dismiss the dialog box, and you're set.

The Fancy Way You can also accomplish this with a simple AppleScript. Put the script in the Finder window's toolbar or sidebar, and you can close everything but the frontmost Finder window with just one click (see "Easy Window Closer").

Open Script Editor (/Applications/AppleScript), and type this simple script (or copy it from macworld.com/1553 and paste it in):

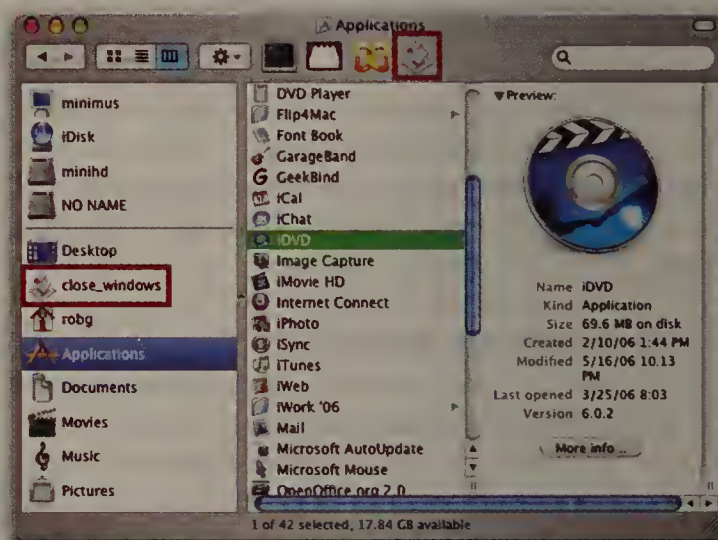
```
tell application "Finder"
    repeat while window 2 exists
        close window 2
    end repeat
end tell
```

Select File: Save and then choose Application in the File Format pop-up menu. Name the script `close_windows`, or something else that will jog your memory when you see it in the sidebar. Select the

Run Only option, choose a destination for it (your Documents folder, for example), and then click on Save. Now drag the application you just created onto a Finder window's toolbar or sidebar. Once it's there, click on its icon whenever you want to close all but the current Finder window.

Open Items from Get Info Windows

The Get Info window (File: Get Info, or select something in the Finder and



Easy Window Closer Store a handy AppleScript in a Finder window's toolbar or sidebar, as shown here, and you'll be able to close all Finder windows except the currently active one with a single click.

press ⌘-I) and the Inspector window (⌘-option-I) show you lots of interesting things about files and applications. You can see the selected item's size, location, creation and modification times, name and extension, and more. But you can also use the Get Info window as a launcher of sorts. That's right—you can launch applications and open documents directly from the Get Info box.

Double-click on the icon or image in the Preview section of the window, and the item will launch. If the selected item is an application, that application will open. If the item is a document, the application associated with that document type will launch and then open that document (just as though you'd double-clicked on it in the Finder). The only exceptions are audio and video files. Since these files can be played directly in the Preview area, you can't launch them with a double-click. (You'll find that this is also true with PDF files in Panther.)

This trick is useful for the times you use the Get Info window to figure out which version of a document you want to look at. Instead of opening the Get Info window, verifying the data, closing the window, and then double-clicking on the file in the Finder, just double-click right in the Get Info window.

Manage Multiple Mail Attachments

If your household's e-mail inbox is like mine, you get a lot of e-mail messages with attachments—pictures of vacations, kids, pets, cars, and so forth. Unfortun-

WHAT'S ONLINE

> iTunes Visualizer Secrets

Learn a few hidden configuration options for the iTunes visualizer.

macworld.com/1556

> Apply Labels by Application Type

Use AppleScript to color-code the various kinds of applications (PowerPC, Universal, and Intel).

macworld.com/1557

> Change Tiger's Word-Break Rules

If you write code in Cocoa applications, you may wish that OS X 10.4 broke words in the same way OS X 10.3 did. Here's how to make it happen.

macworld.com/1558

Make Your Login Window Informative

When you log in to—or start up—your Mac, you usually see its name below the large silver Apple logo, along with the words *Mac OS X*. But when Apple updated OS X to version 10.4.3, it quietly made this information line much more useful.

Now you can click on your machine's name, and the OS X version number will appear. Click on it again, and you'll see the OS X build number. Keep clicking, and you'll see your Mac's serial number, the Mac's IP address, the status of any network account (directory services), and, finally, the current date and time. (To see a brief movie of what this looks like, go to macworld.com/1554.) All of this information is especially useful when you—or tech support—are trying to troubleshoot a system.

But what if you'd like to change the piece of information that shows first? I, for one, prefer to see the date rather than my computer's name. Change the display to Date, however, and the next time you log in, it will be back to the machine's name. As with so many things, all it takes is a little work in Terminal (/Applications/Utilities) to make a permanent change.

Open Terminal and type this command, or copy it from macworld.com/1554 (please note that the following is one long line with no breaks):



Time to Log In A few clicks of the mouse in the login window can reveal interesting tidbits, including the current date and time.

```
defaults write /Library/
Preferences/com.apple.loginwindow
AdminHostInfo
```

Do not press return yet. Instead, press the space bar after **AdminHostInfo**, and then type one of these words:

- > **HostName**, to show the default display
- > **SystemVersion**, to show the OS X version number
- > **SystemBuild**, to show the OS X build number
- > **SerialNumber**, to show the OS X serial number
- > **IPAddress**, to show the Mac's IP address
- > **DSStatus**, to show the networked account info

> **Time**, to show the date and time

After adding the word for the data you wish to display, press return. To show the date and time by default, for instance, here's the full command:

```
defaults write /Library/Preferences/com.apple.loginwindow
AdminHostInfo Time
```

The next time your login window appears, your newly chosen default will be the first thing you see (see "Time to Log In").

nately, my whole family has not yet been converted to the way of the Mac, so I can't tell them to photocast their images. But that doesn't mean I'm stuck clicking on attachment after attachment. Here's what I recommend for OS X 10.4 users instead.

First create a new folder in Apple's Mail (I named mine Pending) by choosing Mailbox: New Mailbox. Put the new folder in Mail's On My Mac section. You'll move all the attached images to this folder. Why? It's a lot more convenient to deal with the photos once they're together in a folder. You can select them all, drag them to Preview's icon in the Dock or Applications folder, and then view the images as a slide show (View: Slideshow). This is a great way to view all your images at once so you can decide which ones to add to your iPhoto library. There's even an Add To iPhoto button in Preview's Slideshow toolbar.

One way to move the attachments is to look at each message and then drag the attachment into the Pending folder in Mail. But if you've got a lot of messages, that could take a while. Instead, select all the messages and then choose File: Save Attachments. Mail will save a copy of the attachments from all the selected messages, and save them to a spot of your choice.

Quickly Set the System Alert Volume

Here's one of my pet peeves: I'm happily listening to my favorite album when the system's alert beep interrupts. Wouldn't it be great if it were *easy* to set the system volume and the alert volume to different levels? You can do this by opening the Sound preference

pane and adjusting the two to different volumes, but there's a quicker way to do this in OS X 10.4.

Make the Volume control icon (a small speaker) visible in your menu bar if you haven't already. To do so, open the Sound preference pane and select the Show Volume In The Menu Bar option.

To adjust your system's overall volume, click once on the icon in the menu bar and then move the slider that appears. If you want to change only the system's alert volume, hold down the option key when you click on the speaker icon. Move the slider as you normally would, and you won't notice any change in your overall volume level. If iTunes is playing, for instance, your tunes won't be affected. But your alert sounds will now play at the new level.

If you're using OS X 10.3, you'll have to take an extra step to make this work. When you option-click to change the alert volume, your system volume will also adjust. So you must click on the speaker icon once more (without holding down the option key) and reset your system volume back to the desired level.

Use Icons in Camino's Bookmark Bar

I use a few Web browsers, but for the last six months or so, my primary browser has been Mozilla's free Camino (🔗🔗🔗; macworld.com/1506). While Camino has its shortcomings, I appreciate its interface and speed.

One of my favorite little features is the ability to put *favicons* (those small icons next to a site's name in



Have a hint? Go to the Mac OS X Hints Web site (www.macosxhints.com) to share it. This column was based on tips from Julian Fricker, Daniel Jalkut, Ruairi McFarlane, and anonymous contributors. Each month, the author of our favorite tip receives the *Help Desk* mug.



Just the Icons If you use Mozilla's Camino, save a ton of room in your Bookmark bar by using icons to represent bookmarked sites.

the browser's Address bar) in the Bookmark bar. This lets me pack my Bookmark bar full of icons, instead of space-hogging words (see "Just the Icons"). And since favicons are easily recognizable, figuring out which site is which is easy.

To create an icon-only bookmark entry in Camino, first add the site to the Bookmark bar—drag the site's address from the Address bar (known as the Location bar in Camino) to the Bookmark bar. Then control-click on the entry and select Get Info from the pop-up

menu. In the window that opens, delete the name in the Title field and then click on the red close box. That's all there is to it—the title is gone, but the favicon remains.

What about Safari? Sadly, Apple's Safari lacks the ability to use a site's favicon in its Bookmarks bar. But you can slim down your entries by renaming bookmarks with a character or two for the site's name—for example, MW for Macworld.com, MH for the Mac OS X Hints Web site, and so on. If you have Safari 2.0 or later (which comes with OS X 10.4), you can make the various sites stand out more by using special characters in the shorter names—for example, use a dollar sign for your bank's site.

To access the special characters, open the International preference pane and click on the Input Menu tab. Select Character Palette in the list, and then select the Show Input Menu In Menu Bar option. A flag icon will appear in your menu bar. Select it and choose Show Character Palette from the drop-down menu. The Character Palette organizes special characters into categories, so they're easy to browse. To add a character to a bookmark, highlight the bookmark's name in Safari's Bookmarks window (Bookmarks: Show All Bookmarks). Then drag the character from the Character Palette to this field. □

Senior Editor ROB GRIFFITHS runs the Mac OS X Hints Web site (www.macosxhints.com).

OS X 101

Introducing the Apple Menu

No matter what application you're in, a small blue apple sits at the top left corner of your screen. More than just a reminder that you're using an Apple computer, this icon contains a menu with a number of useful commands. Here's a brief summary of what you'll find in the Apple menu:

About This Mac Choose this menu item to see a window of information about your machine, including the version of OS X that you're running, as well as RAM and CPU information. Click on the More Info button to run the System Profiler, which will give you a full report about the hardware and software on your machine. All this information is handy during a tech-support call.

Software Update Choose this menu item to launch Software Update and search for updates to the system itself, as well as Apple applications.

Mac OS X Software This menu item opens your Web browser to a page on Apple's site that lists a huge collection of downloadable OS X programs.

System Preferences Select this item to open the System Preferences application. From here, you can control most of the high-level settings on your Mac: for example, the date and time or your network settings. For you Windows expatriates out there, System Preferences is equivalent to Windows' Control Panel.

Dock Quickly access many aspects of the Dock's behavior from here. Use the submenus to hide or show the Dock, turn its zoom effect on or off, or move the Dock to a different part of your screen.

Location If you frequently take your Mac from one spot to another, the Location menu lets you choose a predefined location, which lets you con-

trol settings for the Ethernet port, modem port, and AirPort card. (The Automatic setting works well for most people.)

Recent Items Forgot where you put a file? This menu item reveals a list of recently used applications, documents, and (in Tiger) servers. Control the length of each list by opening the Appearance preference pane and changing the settings under the Number Of Recent Items section.

Force Quit If an application seems "stuck," switch to a responsive application and select this menu item. You'll see a dialog box that lets you force the troublesome program to quit. If you hold down the shift key when you access the menu, the item will change to Force Quit *Program Name*, with the name of the current program.

Sleep Select this item to put your system directly to sleep (without having to confirm your decision in a dialog box).

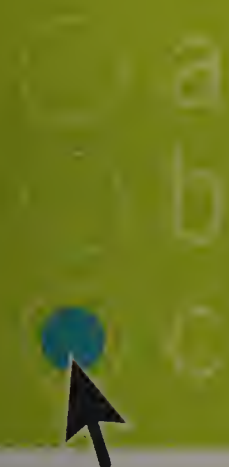
Restart Choose this item to restart your Mac. To skip the confirmation dialog box that appears by default and restart immediately, hold down the option key and then choose the menu item. (Notice that the ellipsis disappears from the menu item's full name—Restart . . . —when you hold down the option key).

Shut Down Choose this option to shut down your Mac. As with the Restart item, press option and then choose this item to shut down instantly.

Log Out Select this item to log out from your account. As with the previous two commands, hold down the option key and then choose this menu item to skip the confirmation dialog box. Or for a superfast way to log out, use the keyboard shortcut that displays in the menu when you hold down the option key: ⌘-shift-option-Q.



> take our survey

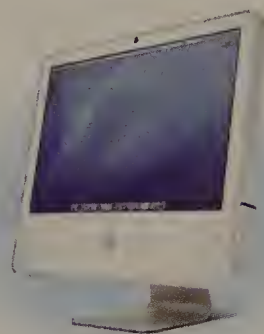


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Mac 911

Solutions to Your Most Vexing Mac Problems

Get iTunes Video Audio on Your Nano

I purchased a music video from the iTunes Music Store (iTMS). Can I play the audio on my iPod nano? Doesn't buying a music video entitle me to enjoy the music track separately from the video?

Bill Robertson

Yes and no. Buying the music video grants you the right to enjoy it on a compatible device, such as a Mac or PC running a recent version of iTunes. However, the iPod nano is not a compatible device for video files. As you've discovered, your nano will reject the file if you try to load it.

You can open unprotected videos with a compatible player and editor such as QuickTime Pro and then extract and export the audio track. Regrettably, videos sold on the iTMS are protected so that you can't do this.

But don't lose hope: one immutable rule of media states, "That which can be played can be captured." And your purchased videos are no exception.

Download a copy of Ambrosia Software's WireTap Pro (\$19; www.ambrosiasw.com) or Rogue Amoeba's Audio Hijack (\$16; www.rogueamoeba.com). Each of



Listen In Tools like Ambrosia Software's WireTap Pro and Rogue Amoeba's Audio Hijack let you capture any sound playing on your Mac.

these utilities allows you to capture the audio your Mac is playing (see "Listen In"). Just fire up one or the other, turn on capturing, and then start playing the music video. When the video is complete, stop recording and do what you will with the resulting audio file.

You can use WireTap Pro *free* to record AIFF files with the controller; if you attempt to use any of the program's other options, such as scheduling, a voice-over will appear on your recording. Audio Hijack and WireTap Pro are both available as Universal applications. And a fully functioning demo of Audio Hijack is available; its only limitation is that it will overlay noise on all recordings longer than ten minutes.

The Dirt on Scanners

I have tons of old photos I'd like to digitize. But when I've tried scanning them with my HP Officejet 6110 all-in-one, I get messy streaks running down the middle of the image. I see matching streaks on the underside of the scanner glass, where no amount of window cleaner can get them off. Do you know of any way for me to get rid of the streaks? And why do so many scanners have this problem in the first place?

David Scott

It's the nature of the beast, I'm afraid. Dust and gunk (some generated by the mechanism inside the



TIP OF THE MONTH

Negating Navigation

My fiancée and I have been working on a wedding Web page, using .Mac's home page for our site. The only problem is the irritating navigation bar that .Mac adds to the top of your page when you upload the file. But we finally figured out how to remove this annoying automatic addition.

Open your iDisk, navigate to the Sites folder, and then go to the folder for your site. Locate the .html file for the page from which you wish to remove navigation and open it with a text editor. In the text editor, find and remove everything from `!-NavBarWrapperBegin-` to `-NavBarWrapperEnd-`, and then save your changes. When you next visit your site, the Navigation bar should be gone.

Tison Campbell

scanner) will find its way onto the underside of the scanner glass. The trick to getting rid of these streaks is figuring out how to remove the scanner glass in order to clean it.

Some scanners are friendlier than others in this regard. Your Officejet 6110 is, I'm afraid, among the less-friendly models. HP's official line on the matter: "You cannot clean the underneath side of the scanner glass on any all-in-one. This should be performed only by an authorized service provider."

A more thorough explanation might read: "You cannot clean the underneath side of the scanner glass on any all-in-one unless you know how to conduct a Google search, read the English language, and operate a Torx #10 screwdriver." What the heck, I'll even eliminate the first of those steps for you by directing you to fixyourownprinter.com. Here you'll find discussion threads explaining how to get inside the 6110 to clean the glass (and some other parts as well).

The usual warnings apply: If the steps seem beyond your ability, don't try them. And if you wind up breaking your Officejet along the way, you've only yourself to blame.

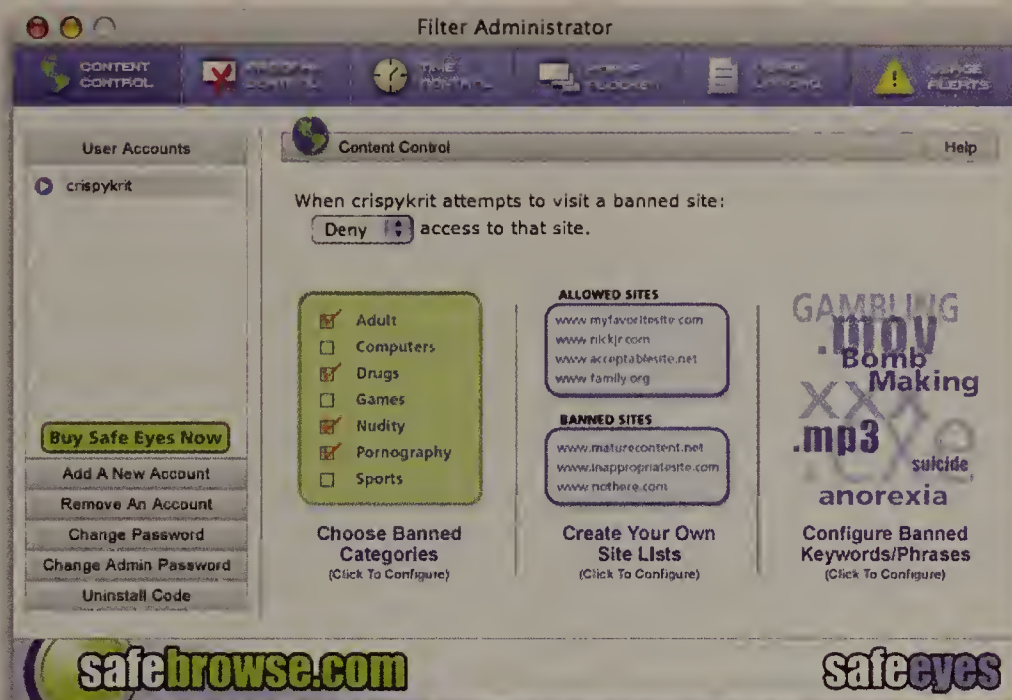
Child Protection Services

I'm entirely new to computers. I just got a new Mac, and I'm wondering how to make sure my 11-year-old daughter does not accidentally open inappropriate Web sites. I recently downloaded the program LimeWire, which I'd heard can help find files online. My daughter wanted to download a song by her favorite band. But when she entered the band's name in LimeWire, she was directed to a Web site that no child should ever see. How can I keep that from happening again?

Via the Internet

Before I launch into some specific suggestions, let me point out (without leaping atop a soapbox) that giving your daughter access to a peer-to-peer (P2P) file-sharing application like LimeWire is a bad idea. Not only can she download mountains of inappropriate material, but lots of the content on a P2P network like that is ill-gotten—pirated movies and music, for example. Moral issues aside, if the wrong people find your daughter sharing copyrighted material, you and she could be looking down the barrel of a nasty lawsuit. So, first step: uninstall LimeWire.

Next step: educate yourself about the dangers of the Internet. Regrettably, there are just as many crooks and creeps online as there are in the real world. You and your daughter both need to clearly understand that you should never provide personal or financial information to an unfamiliar source, whether it's on a Web site or in a chat room. (An excellent source for some tips on general online safety for kids is Common Sense Media [commonsensemedia.org].)



Once the two of you have the lay of the land, it's time for you to think about filtering the content your daughter sees. I can suggest a couple of options. One is Intego's ContentBarrier X4 (\$60; www.intego.com). It offers a variety of protective measures including filtering out Web sites with potentially inappropriate content (adult or violent, for example). You can configure it to block streaming media, P2P networks, chats, and e-mail. You can also set up a "white list" of acceptable sites and create schedules that allow your child to use the Internet only during specific hours. ContentBarrier can also send e-mail alerts to parents when untoward events occur.

Another option is SafeEyes (www.safeeyes.com). This is a \$50-per-year Web service that offers some of the same benefits as ContentBarrier (see "Hide Your Eyes"). It will block unwanted Web content, eliminate pop-up windows, and allow you to create schedules for Internet access. (As we go to press, program blocking isn't yet supported in the Mac version.) Additionally, it monitors and logs what your child is doing, providing parents with a list of access attempts and transcripts of chats. You can give SafeEyes a free 15-day trial.

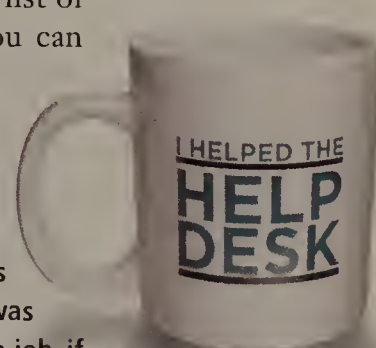
Doing the Dish

I have a Dish tuner that includes a digital video recorder. That setup works fine for me, but I'd like to find a way to record a few of my favorite shows onto DVD and then export them to my iPod. I was thinking that my Mac mini might be the tool for the job, if I can figure out a way to import selected shows to it from the Dish tuner, edit out commercials, and then record and export the shows. Do you have any suggestions on software or hardware solutions?

Paul Barsa

If you had a standard TiVo, I'd suggest you wait for the TiVoToGo service, which TiVo says will ship sometime this year. While the TiVoToGo implementation on a Windows PC was underwhelming, continues

Hide Your Eyes SafeEyes can be configured to block Web sites that contain potentially inappropriate content.



Send your tips to mac911@macworld.com. If we publish yours, you'll receive this dandy mug. All published submissions become the sole property of Macworld.



TOOLS OF THE TRADE

Making the Conversion

Your Mac may be one of the easiest-to-use machines you own. Yet sometimes it may stubbornly refuse to perform what seems like the easiest task. For example, let's say you're trying to view or play Media File A in Application B, and your Mac does nothing more than shrug its virtual shoulders. *Conversion* is key in such situations. Here are some of my favorite ways to do it.

QuickTime Pro As you probably already know, the free version of QuickTime Player is a perfectly fine media player. But when you pony up the \$29 to switch on all its features, it becomes a powerful audio and video converter. QuickTime Pro (www.apple.com) does a great job of converting movies to other formats (MPEG-4 and an iPod-compatible H.264, for example) and provides better compression for slide shows you've exported from iPhoto.

Graphic Converter Apple's Preview can open most common graphics files. But when you need industrial-strength conversion, Lemke Software's GraphicConverter (\$30; lemkesoft.com) is the tool to use. It can open nearly 200 graphics file formats and can export to approximately 80 file formats.

Max The free Max (sbooth.org/max) supports more than 20 audio formats including MP3, Ogg Vorbis, FLAC, AAC, Apple Lossless, AU, and Monkey's Audio. Max lets you batch-convert just about any audio files you throw at it, rip audio CDs, and, like iTunes, rip selected tracks as a single gapless track.

Switch Unlike Max, the free audio converter Switch (www.nch.com.au/switch) lets you convert Microsoft's unprotected WMA files with the help of the Flip4Mac plug-in (free; www.flip4mac.com).

taking way too long to transfer and burn programs with poor results, the Mac implementation I've seen looks far more promising.

But a Dish DVR is a different beast and you won't be seeing TiVoToGo on it in this lifetime.

Just as there are hacks for TiVo, there are hacks for getting into the Dish DVR and copying files from it. Unfortunately, they're convoluted and require a working knowledge of Linux or Unix, or an understanding of using OS X's Terminal. Put Google to good use, and you'll find some of these hacks.

If you have a camcorder that offers a video pass-through option, I'd try that. The quality isn't terrific, but if you already have such a camcorder, this way is an inexpensive alternative. You plug the video and audio outputs of the DVR into the inputs of the camcorder, string a FireWire cable between the camcorder and the Mac, flip the camcorder into pass-through mode, start capturing in iMovie, and begin playback on your DVR. When you finish recording, you can edit the results in iMovie and export it for burning to DVD or your iPod.

Splitting Underpowered USB

I recently bought an 80GB IO Magic GigaBank Premier external hard drive. My PowerBook G4 will not recognize it. The drive works well with my PC, so I know that the drive itself not the problem. How do I use it with the Mac?

Horacio Plotkin

Although these drives behave quite nicely when they

are plugged into most USB 2.0-compatible Macs, they refuse to perform when plugged into a G4 PowerBook. The problem is that the PowerBook's USB ports don't deliver enough electrical power to satisfy some external USB drives. Regrettably, plugging the drive's AC adapter into a power source won't help—the drive still wants to see a certain amount of juice coming in via USB. When the drive doesn't see the necessary juice, it won't work.

What you need is a USB Y-cable. This is a cable with a squarish USB male B connector (which you can plug into your hard drive) on one end and two USB male A connectors (the rectangular USB connector) on the other; you can plug those last two into your PowerBook's USB ports, supplying the additional power to run the external drive. Unfortunately, these cables are devilishly difficult to find. Addonics Technologies (www.addonics.com) makes a Dual Inputs USB Power Cable for \$10 that gets close. It includes the two USB A connectors but has a female USB A connector on the other end. You can complete the connection with a standard USB male A-to-USB male B cable.

Alarmed by Port 445

Every few minutes, my Power Mac G4 (running OS X 10.4) tries to communicate with the other Macs and Windows PCs on my home network. The communications go out over port 445 and systematically try ports above 49000. I have no idea why this is happening. Is malware on my Power Mac probing my other computers to find an unguarded way in? If so, what do I do?

Steve Good

It's not malware that's doing the probing. It's probably your Mac just doing its job.

Port 445 is used for Server Message Block (SMB), a networking protocol used by Windows, and now the Mac, for sharing files. If you've switched on Windows Sharing in the Sharing preference pane, your Power Mac will occasionally check in with your Windows PC to make sure the two are still on speaking terms. That action is what's setting off the alarms on your PC. If you'd like to put an end to these alarms—and you're not sharing files between the two machines—simply switch off Windows Sharing.

If you need to keep Windows sharing on, configure whatever security app you're using on the Windows PC to accept your Mac as a trusted member of your network. (In other words, tell it that any request from your Mac's IP address should be accepted without question.) That should stop the alarms. □

Senior Editor CHRISTOPHER BREEN is the author of *Secrets of the iPod and iTunes*, fifth edition and *The iPod and iTunes Pocket Guide* (Peachpit Press, 2005).

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AmericasPrinter.com	americasprinter.com	109	Macally	macally.com	108
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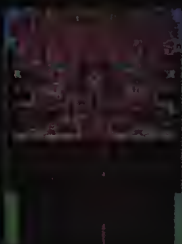
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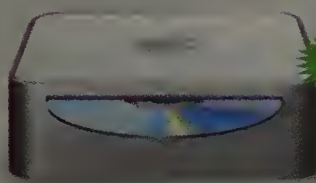
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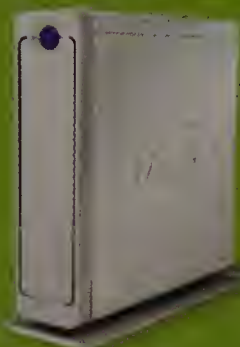
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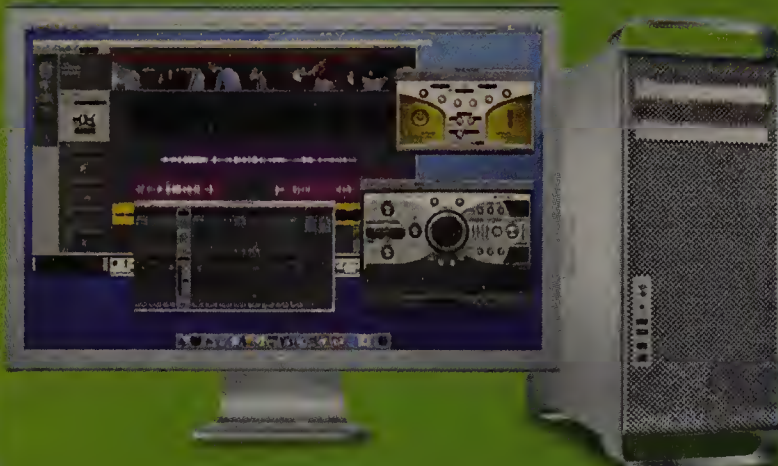


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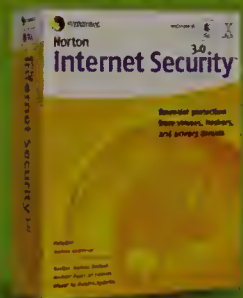
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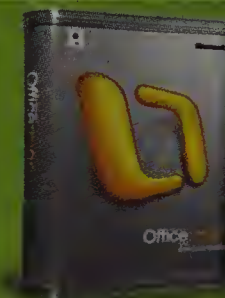
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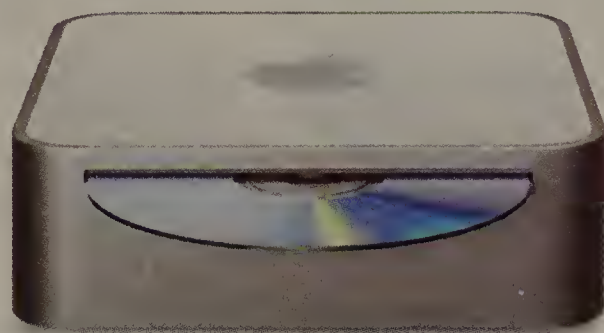
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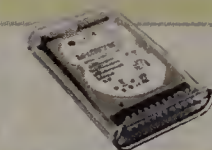
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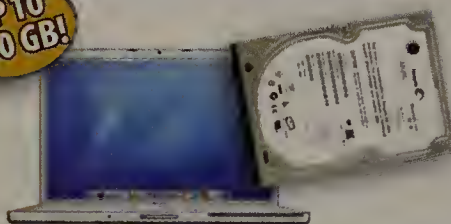


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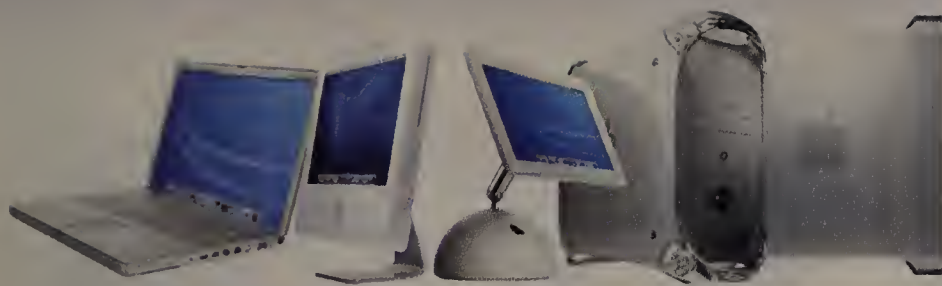
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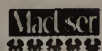
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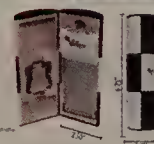
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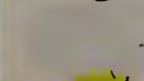
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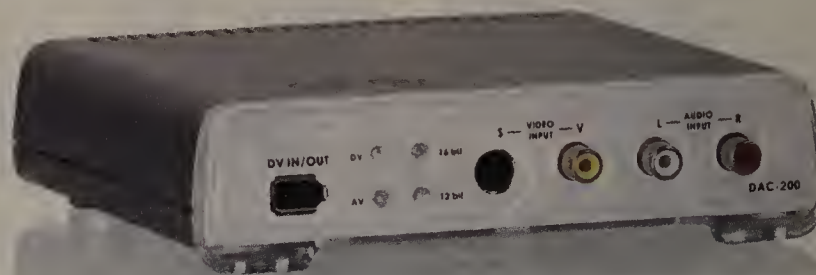
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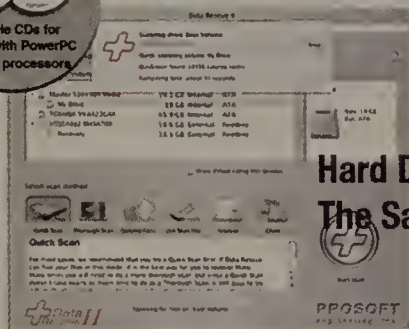
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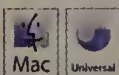
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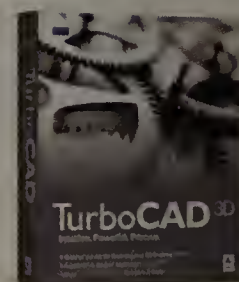
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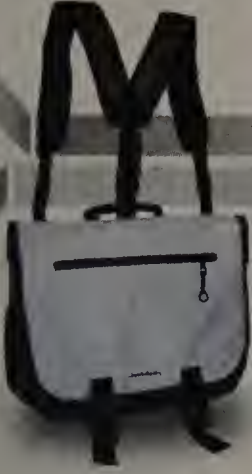
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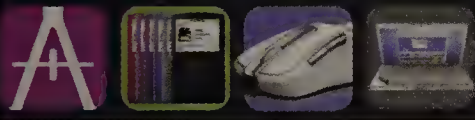
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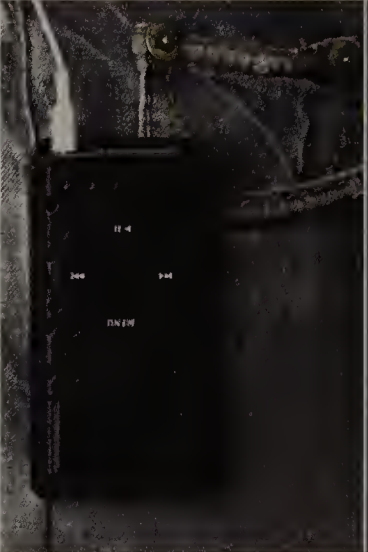


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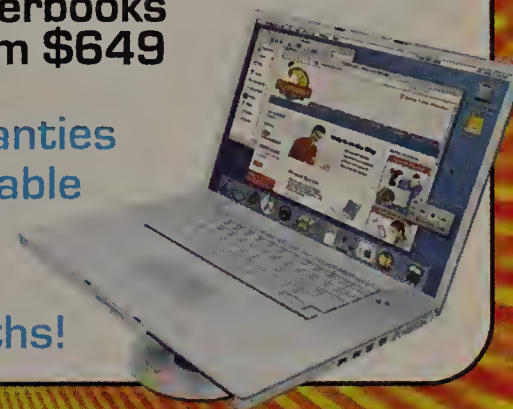
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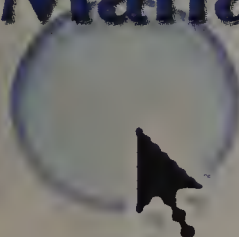
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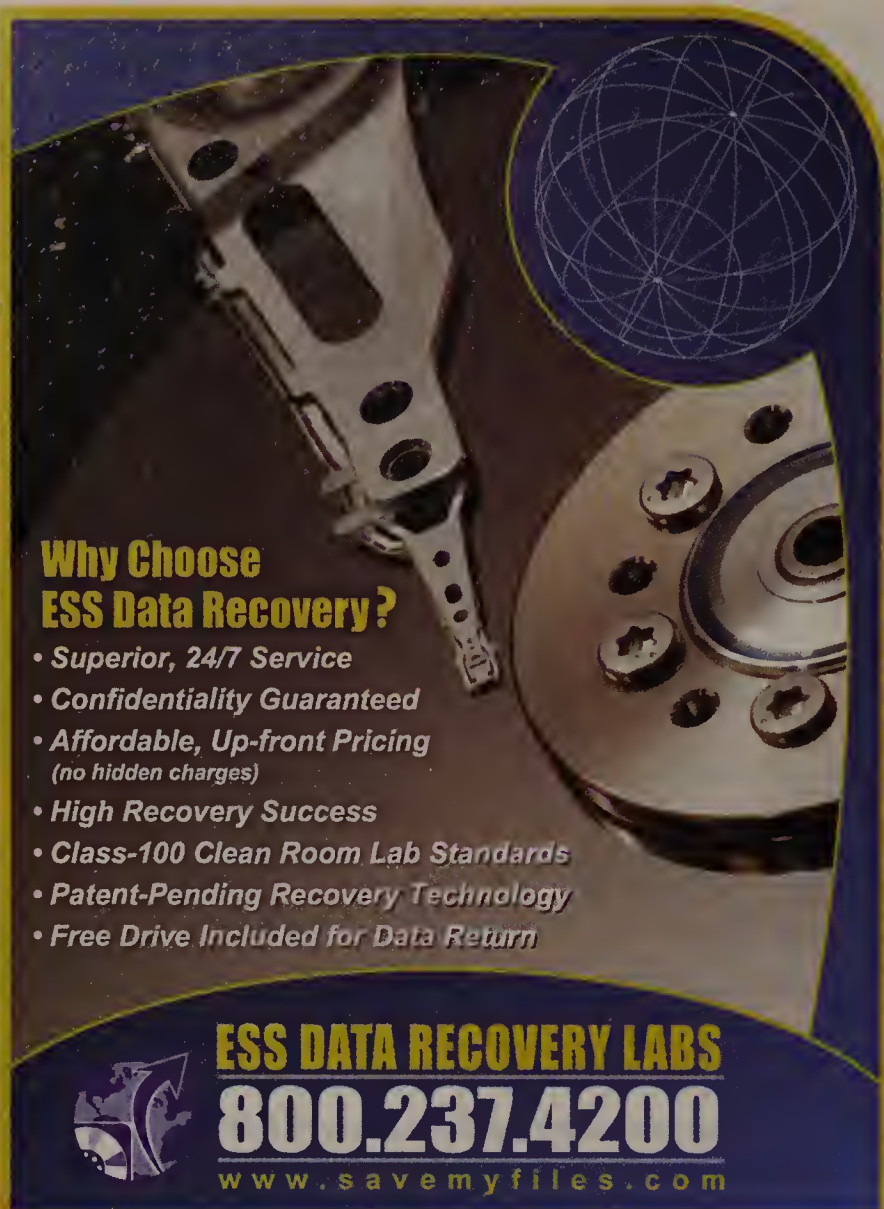
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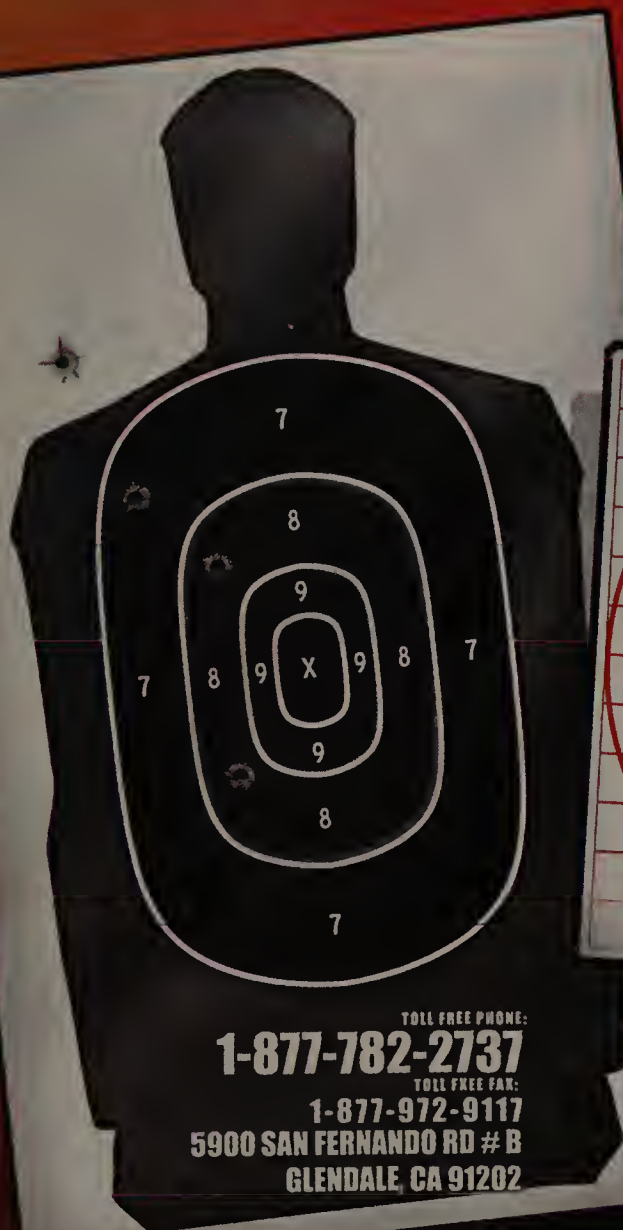
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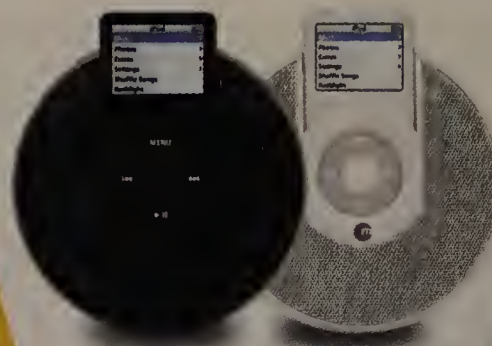
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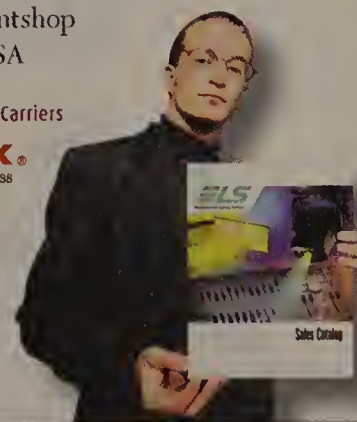
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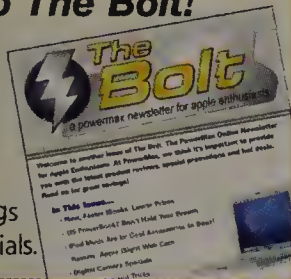
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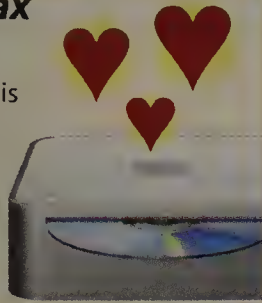
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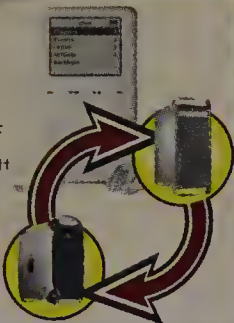
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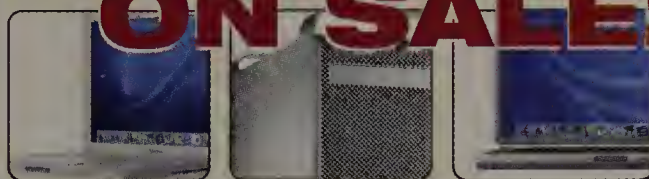
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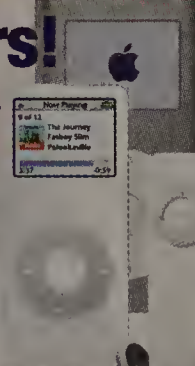
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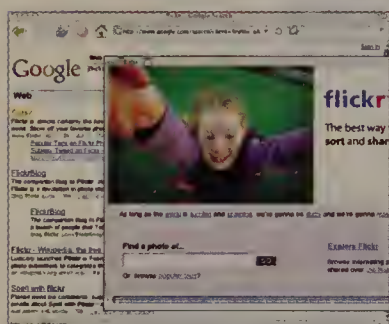
FROM THE EDITORS OF MACWORLD



JVC SU-DH1

Watching movies on your laptop or your iPod can be a great way to pass the time. Unfortunately, headphones don't give you the same aural experience as a home theater system. JVC's new \$130 SU-DH1 surround sound headphone adapter aims to change all that. JVC has placed the impressive Dolby headphone circuitry—designed specifically to reproduce surround sound through standard headphones—in a small, battery-powered package that connects to the optical audio jack on most new Macs (www.jvc.com).—DAN FRANKS

Cooliris Previews

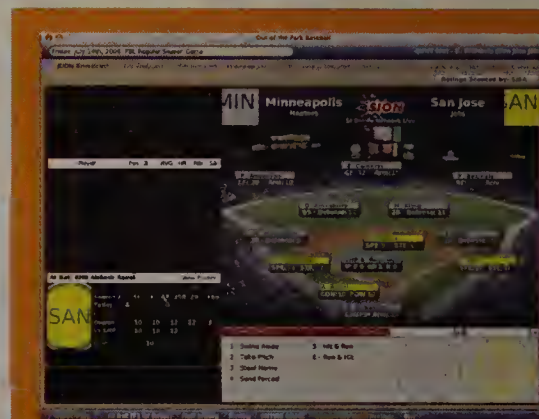
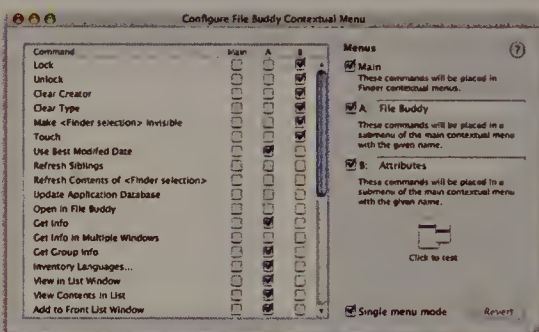


The most basic thing to admire about Google is its simple interface. The search engine runs fast because it cuts out pesky details (like images)

that could slow down searches. But sometimes you want more, and the Cooliris Previews plug-in gives you just that. This free plug-in lets you preview content in Firefox before committing to a mouse click (support for Safari is limited). Mouse over hyperlinks, and a window within a window pops up, letting you prebrowse content. The plug-in has some use beyond the confines of Google, but it's ideal for extending your search capabilities (www.cooliris.com).—ERIC SUESZ

File Buddy 9

SkyTag Software's \$40 File Buddy has been part of my file-altering arsenal for years. Lately I've been playing with a beta of the next version, File Buddy 9, which has tons of new features like Universal support, the ability to disable or delete unused language resources, a redesigned Find window, a new contextual-menu configuration window, and commands for rebuilding the Launch Services database and restarting the Finder (www.filebuddy.com).—JONATHAN SEFF



Out of the Park Baseball 2006

It's easier to strike out the heart of the New York Yankees' lineup than it is to find a Mac-compatible baseball game. But like a flame-throwing relief pitcher rushing in from the bullpen, Sports Interactive has come to the rescue of baseball-obsessed Mac users with Out of the Park Baseball 2006. This game puts you in the role of a baseball team's general manager. You get to scout, draft, and trade players, as well as negotiate contracts with them all the way from the low minors to the major-league level. The strategy involved is complex and not for the casual gamer (www.ootpbaseball2006.com).—PHILIP MICHAELS

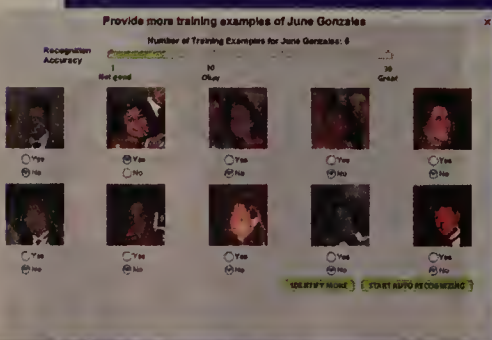
WHAT'S HOT

Brought to you by John Moltz of the Crazy Apple Rumors Site (www.crazyapplerumors.com)

- 1 The Mac Pro's release marks the completion of Apple's less-than-a-year-long Intel transition. In that same amount of time, Microsoft went from a developer's build of Vista to a slightly less buggy developer's build.
- 2 Apple demonstrates the backup utility Time Machine as part of the upcoming Leopard OS. As an incentive, Apple engineers are warned that they'll be fed to the Morlocks if they don't complete the feature in time.
- 3 Steve Jobs turns down a salary for his board position at Disney. But Jobs did demand the right to jump to the front of the Space Mountain ride whenever he's in Anaheim.
- 4 Rumors swirl that Apple will add movie rentals to the iTunes Music Store. No word yet on whether the company will charge you extra if you fail to rewind the movies before deleting them from your hard drive.

Riya

Labeling photos in iPhoto is a bit like going to the gym—you know it's good for you, but who has the time? That's why I've been teaching Riya to label my photos for me. This free site uses an algorithm to detect faces in your photos and, with training, will identify the different people pictured. The results aren't always perfect, but with time the program becomes more accurate. Plus, if you share your photos with the rest of the Riya community, other users can search your images for people they know (www.riya.com).—KELLY TURNER



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